L. S. Chamberlain

CATALOGUE

HERBARIUM OF
No 10

OF

North American Musci.

ARRANGED BY

EUGENE A. RAU, AND A. B. HERVEY, A. M.

TAUNTON:
PRINTED AT GAZETTE JOB OFFICE.
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PREFACE.

In introducing this Catalogue of American Mosses, the compilers believe that they are supplying a want which has long been felt by American Botanists. It is designed to be a convenient check and exchange list, and a basis for arrangement of genera, &c., in herbaria.

The classification is mainly that adopted by Prof. Schimper in his Synopsis of European Mosses.

All the authentic species and varieties reported, from Mexico to the Arctic regions, have been included and their habitats given with as wide a range as the examination of references and several good herbaria would permit.

Some plants hitherto classified as species are given in this list as varieties. Doubtful species so far as known, when admitted have been marked with a star.

We have to acknowledge our indebtedness to Prof. C. H. Peck, the distinguished State Botanist of New York, for many valauble suggestions. The late Mr. C. F. Austin, whose recent death deprives American Bryologists of one of their most zealous, acute and accomplished co-laborers, kindly gave us much assistance in the work. To Mr. Chas. Mohr of Mobile, Alabama, we are indebted for lists of the Mosses from the Gulf States, Mexico and the Pacific Coast, represented in his herbarium.

The Index Generum will be found on page 50, Erata on page 52.

EUGENE A. RAU, Bethlehem, Pa.
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MUSCI.

Series I. ACROCARPÆ.

Order I. CLEISTOCARPÆ.

Tribe I. PHYSCOMITRIOIDEÆ.

Family I. EPHEMERÆ.

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1. EPHEMERUM, *Hpe.*
   - 1. serratum *Hpe.*, — N. E., Mid. Sts., O., Br. Am., Cal.
   - 2. crassinervium *Hpe.*, — No. U. S.
   - 3. *hystrix *Lindbg.*, — N. J. to Fla.
   - 4. *papillosum *Aust.*, — N. J. to S. C.
   - 5. cohærens *Hpe.*, — O., Pa.
   - 6. *pallidum *Sch.*, — Ohio.
   - 7. spinulosum *B. & S.*, — Common.

Family II. PHYSCOMITRELLEÆ.

2. NANOMITRIUM *Lindbg.*, (*Micromitrium* and *Sympoma Aust.*)
   - 8. tenerum (*Bruch.*) *Lindbg.* (*megalosporum Aust.*), — N. J., Pa.
   - 9. Austini (*Sull. Aust.*) *Lindbg.*, — N. Y., N. J.
   - 10. synoicum (*Jas. Aust.*) *Lindbg.*, — N. J., Pa.

3. PHYSCOMITRELLA *Sch.*,
   - 11. patens *Br. Eu.*, — Ohio

Tribe II. POTTIOIDEA.

Family I. PHASCACEÆ.

4. SPHÆRANGIUM *Sch.*
   - 12. rufescens *Jaeger.*, — N. J. to S. C., O.
   - 13. muticum *C. M.*, — N. Y., N. J., Pa., Ill., Cal.
   - 14. Schimperianum *Sull.*, — Tex., Ill.

5. PHASCUM *L.*
   - 15. cuspidatum *Schreb.*, — N. J. to S. C., Ill., Cal.
   - " var. piliferum, — N. J. to S. C., Ill., Cal., Col.

16. bryoides *Dicks.*, var. piliferum, Cal. Col.
17. Carniolicum *W. & M.*, Col.

Tribe III. BRUCHIACEÆ.

Family I. PLEURIDIEÆ.

6. PLEURIDIUM *Brid.*
   18. subulatum (*Schreb.*), *Lindbg.* (*P. alternifolium Brid.*), U. S.
   19. Ravenelii *Aust.* (*P. subulatum Sull. Mosses.*) N. J. to R. I., S. C.
   20. stramineum *Lx.*, Pacific Coast.
   21. Sullivanti *Aust.* (*P. nervosum Sull. Icon. non Hook*), Pa. to S. C.

Family II. BRUCHIEÆ.

7. SPORLEDERA *Hpe.*
   22. palustris *Sch.* N. J., Mass., La.

8. BRUCHIA *Schwg.*
   A. Calyptra smooth.
   23. Bolanderi *Lx.*, Cal.
   24. *Marylandica *Aust.*, Md.
   25. flexuosa *Schwg.* (*Sull. Mosses*), O.(?), Ill., So. Sts.
   26. Sullivanti *Aust.* (*B. flexuosa Sull. Icon.* T. 13, also *B. Beyrichiana Hpe., Sull., Icon.*, suppl. T. 15), N. E. to Fla., Ill.
   var. brevicollis (*B. brevicollis L. & J.*), S. C.
   27. Donnellii *Aust.*, S. C., Fla., Ala.
   28. *nigrescens *Lx.*, Ala.
   29. Texana *Aust.*, Va. to Tex.
   30. Hallii *Aust.*, Va. to Tex.
   31. brevipes *Hook.* S. C., Ala., La.
   32. brevifolia *Sull.*, Va., S. C., Ala., La., Tx.
   33. *microcarpa *Wils.*, La.
   B. Calyptra papillose.
   34. Carolinæ *Aust.*, S. C.
   35. Ravenelii *Wils.*, S. C. to Ala.
   36. *Schwægricheni *Hpe.*, La.

Order II. STEGOCARPÆ.

Tribe I. WEISIACEÆ.

Family I. WEISIEÆ.

9. SYSTEGIUM *Br. Eu.*
   37. crispum *Hedw.*, Ind., Ill., Tex.
   38. Sullivantii *Sch.*, N. Y., Pa., O., Ill.
   39. nitidulum *Sch.*, N. J. to Ill. and Va.

40. Ludovicianum *Sull.*, Fla., Ala., La.
41. erythrostegium *B. & S.* (*S. Ludovicianum Sull.*) La.

10. HYMENOSTOMUM *R. Br.*
42. microstomum *R. Br.*, N. J., O., Tex.

11. GYROWEISIA *Sch.*
43. tenuis *Schrad.*, No. America.

12. GYMNOSTOMUM *Br. Eu.*
44. calcareum *N. & H.*, N. Y., O.(?), Br. Am.
" var. perpusillum *Sull.*, Cal.
45. rupestre *Schwg.*, No. U. S., Br. Am., Col.
46. curvirostrum *Hedw.*, No. U. S., Pacif., Br. Am.
47. tophaceum *Aust.*, Tex.
48. *Clintoni *Aust.*, N. Y.
49. Orizabanum *Sch.*, Mex.
50. incurvans *Sch.*, Mex.

13. ANŒCTANGIUM *Schwg.*
51. Peckii *Sull.*, Catskill Mts.
52. Liebmanii *Sch.*, Mex.
53. apiculatum *Sch.*, Mex.
54. Breutilianum *B. & S.*, Mex. and No. W. Coast.
55. Hornschuchianum *Funk*, No. W. Coast.
56. glaucescens *Sch.*, Mex.
57. condensatum *Sch.*, Mex.

14. WEISIA *Hedw.*
58. viridula *Brid.*, U. S., Br. Am.
" var. Rauei *Aust.*, Pa., Col.
" " Brandegei *Aust.*, Col.
" " Wolfii *L. & J.*, Ill.
" " australis *Aust.* (*W. longiseta L. & J.*), Fla. to Tex.
59. mucronata *Bruch.*, Ill.
60. barbulacea *C. M.*, Mex.

15. DICRANOWEISIA *Lindbg.* (*Weisia Hedw.*).
61. crispula *Hedw.*, Pac. Coast, Br. Am., G'land.
62. cirrhata *Hedw.*, " " "

16. OREOWEISIA *Sch.* (*Weisia Hedw.*).
63. serrulata *Funk*, Mid. Sts., Col.

17. RHABDOWEISIA *Sch.*
64. fugax *B. & S.*, N. Y., N. J., Wht. Mts., Br. Am.
65. denticulata *B. & S.*, N E. and Mid. Sts , N. C.
66. vulcanica *C. M.*, Mex.

Family II. DICRANEÆ.

18. CYNODONTIUM *Sch.*
    67. schisti (*Oed.*) — Rky. Mts., G'land.
    68. gracilescens *W. & M.*, — Rky., Wht. and Adirod'k Mts.
        " var. tenellum, — Wht. Mts.
    69. polycarpum *Erh.*, — N. Y., N. W. Br. Am., Gt. Lakes.
    70. virens *Hedw.*, — N. Y., Pa., Col., Br. Columb., G'land.
        " var. Wahlenbergii, — Br. Am.
        " " serratum, — Col., Pac. Coast.

19. DICHODONTIUM *Sch.*, (*Dicrannm.*)
    71. pellucidum (*L.*) — N. Y., N. J., Br. Am., Col.
        " var. fagimontanum, — Vt., Col.
        " " serratum, — Col., Vanc'r I.

20. TREMATODON *Michx.*
    72. longicollis *Rich.*, — N. J. to Fla., O., Ill., Ala., La., Mex.
    73. uncinatus *C. M.*, — Mx.
    74. ambiguus *Hedw.*, — Md. to Canada, O.
    75. nitidulus *Sch.*, — Mex.

21. MICRODUS *Sch.*,
    76. Liebmanni *Sch.*, — Mex.
    77. ovatus *Besch.*, — Mex.
    78. Sartorii *Sch.*, — Mex.
    79. longirostris *Sch.* — Mex.

22. ANGSTROMIA *B. & S.*
    80. vulcanica *C. M.*, — Mex.
    81. longipes *Sommf.*, — No. Am.

23. DICRANELLA *Sch.*
    A. Squarrosa.
    82. crispa *Hedw.*, — Br. Am., Pac. Coast.
    83. Schreberi (*Hedw.*), — Mid. Sts., Br. Am.
        " var. occidentalis *Aust.*, — Or., Vanc'r I.
    84. cerviculata (*Hedw.*), — N. J., Wht. Mts., N. Bruns'k.
    85. *Canadensis, *Mitt.*, — Br. Am.
    86. Mulleri *Sch.*, — Mex.
    87. compacta *Sch.*, — Mex.
    B. Secunda. — Ohio.
    88. varia (*Hedw.*), — U. S., Br. Am.
    89. rufescens *Turn.*, — Mid. Sts., Nor'd and West'd.
    90. subulata (*Hedw.*), — Wht. Mts., Pac. Coast, Br. Am.
    91. heteromalla *Hedw.*, — No. and East. U. S., Pac. Coast.
        " var. orthocarpa *C. M.*, — Mid. Sts.
        " " orthophylla *Aust.*, — Ohio.
    92. exigua *Schwg.*(*D. debile W.*), — Gulf Sts., S. C.

93. Liebmanniana *C. M.*, Mex
94. brachyblepharis *C. M.*, Mex.
95. pilopogon *C. M.*, Mex.
96. trematodontifolia *C. M.*, Mex.
97. microdonta *Sch.*, Mex.
98. Sartorii *C. M.*, Mex.

24. DICRANUM *Hedw.*

A. Fulvella.

99. fulvellum *Dicks.* (*Arctoa*), N. Y., Wh. Mts., G'land.

B. Falcata.

100. Starkii *W. & M.* (*D. Blyttii W. & M.*), Wht. and Adirond'k Mts., Br. Am., G.land.
101. cæspitans *Sch.*, Mex.

C. Orthocarpa.

102. montanum *Hedw.*, Mid. Sts. and West'd, Br. Am.
103. viride *S. & L.* (*strictum S. & L.*), N. & E. U. S., Br. Am., P. Cst.
104. flagellare *Hedw.*, Mid. Sts., Br. Am., Mex.
105. albicans *B. & S.* (*D. enerve Hedw.*), Pacific Coast.
106. fulvum *Hook.* (*D. interruptum Br. Eu.*), No. & E. U. S., Br. Am.
107. longifolium *Hedw.*, Mid. Sts., Br. Am.

D. Scoparia.

108. elongatum *Sch.* (*D. Macouni Aust.*), N. E. to Rky. Mts. and G'land.
109. fuscescens *Turn.* (*D. congestum Brid.*), Mts. of Pa., N. E., N. Y. to Rky. Mts., Br. Am., G'land.
110. Muhlenbeckii *B. & S.*, N. J., Br. Am., Col., G'land.
111. fragilifolium *Lind.*, Br. Am.
112. scoparium *L.*, U. S., Br. Am.
    var. orthophyllum, Appalachian, G'land.
    " curvulum, "
    " paludosum, "
    " recurvatum, "
    " rupestre, "
    " orthocarpum, "
113. majus *Turn.*, Pacific Coast.
114. arcticum *Sch.*, G'land, Labrador.
115. scoparioides *Sch.*, Mex.
116. Mexicanum *Sch.*, Mex.

E. Undulata.

117. palustre *L. Pl.*, East., Mid. & No. Sts., Br. Am., Pacific.
    var. (*D. Brewerianum Lx.*), Pacific.
118. Schraderi *Schwg.*, Mid. Sts. to Cal., Br. Am.
119. spurium *Hedw.*, Mid. Sts., Cal., Br. Am.
    var. (*D. condensatum Hedw.*), Mid. Sts. to Fla., Gulf Sts., Br. Am.
120. undulatum *Voit.*, E. and Mid. Sts., No'd and West'd.

121. elatum *Lindbg.* (*D. Drummondii C. M.*, *D. robustum Blytt.*), N. E. and Mid Sts., Br. Am.
122. rhabdocarpum *Sull.*, Rky. Mts., U. S., Mex.
123. Andrieuxii *Besch.*, Mex.
124. lophoneuron *C. M.*, Mex.
125. Richardsoni *Hook.*, G'land.
126. cryptocarpum *C. M.*, Mex.

25. ATRACHYLOCARPUS *Mitt.*
127. Mexicanus *Mitt.*, Mex.

26. DICRANODONTIUM *B. & S.*
128. longirostre *B. & S.*, Pa. O.
129. nitidum *Jas.* (*D. longifolium Hedw. fide Aust.*), Wht. Mts.

27. CAMPYLOPUS *Brid.*
Folia epilifera.
130. flexuosus *Brid.* (*C. Talludensis S. & L.*), Ga., N. C.
131. Leanus *Sull.*, Mid. Sts. and Westward.
132. pusillus *Sch.*, Mex.
133. Vitzliputzli *Ltz.*, Mex.
134. leucogaster *C. M.*, Mex.
135. subleucogaster *C. M.*, Ala.
136. bicolor *Sch.*, Mex.
137. flagellaceus *C. M.*, "
138. Chrismari *C. M.*, "
139. Hallerianus *Hpe.*, "
140. Rauei *Aust.*, Colorado.
141. Hallii *Lx.*, "
142. frigidus *Lx.*, "
143. Donnellii *Aust.*, Ala., Fla.
144. gracilicaulis *Mitt.*, Fla., Mex.
145. angustiretis *Aust.*, Fla.
146. Virginicus *Aust.*, Va.
Folia pilifera.
147. lævigatus *Sch.*, Mex.
148. lamellicosta *Sch.*, Mex.
149. Liebmanni *Sch.*, Mex.
150. Richardi *Schwg.* (*C. nigrescens Duby.*), Mex.
151. strictus *Sch.*, Mex.
152. pilosissimus *Sch.*, Mex.
153. luridus *Sch.*, Mex.
154. introflexus *Hedw.* (*C. polytrichoides D. N.*, *C. leucotrichus S. & L.*, *lutescens Sch.*), Ala.

28. CAMPYLOCHÆTIUM *Besch.*
155. Mexicanum *Besch.*, Mex.
156. Selowii *Hornsch.* (*Angstroemia Hallerianum C. M.*), "

29. PILOPOGON *Brid.*
157. calycinus *Sch.*, Mex.
158. Mohrii *C. M.*, Mex.

30. HOLOMITRIUM *Brid.*
159. serratum *C. M.*, Mex.

Tribe II. LEUCOBRYACEÆ.

Family I. LEUCOBRYEÆ.

31. LEUCOBRYUM *Hpe.*
160. glaucum *Hpe.*, U. S., Br. Am.
var. minus (*Hpe.*), So. U. S., Mex.

32. OCTOBLEPHARUM *Hedw.*
161. albidum *Hedw.*, Gulf Sts., Mex.

Tribe III. FISSIDENTACEÆ.

Family I. FISSIDENTEÆ.

33. FISSIDENS *Hedw.*
A. Fruit terminal.
162. hyalinus *H. & W.*, Ohio.
163. obtusifolius *Wils.*, Ohio, Col.
164. incurvus *Schwg.* (*F. limbatus Sull.*), Gulf Sts., Cal.
var. exiguus (*Sull.*), Mid. Sts.
" synoicus (*Sull.*), Mid. Sts.
" monoicus *Aust.*, N. J.
" minutulus *Sull.*, U. S., Br. Am.
" longipes *Aust.*, Vancouver's I.
165. Floridanus *L. & J.*, Fla.
166. bryoides *Hedw.*, E. W. Mid. Sts., Col.
167. Ravenelii *Sull.*, Car. to Fla., Ala.
168. osmundioides *Hedw.*, E. Mid. W. Sts., and Br. Am.
169. Garberi *Jas.*, Fla.
170. Donnellii *Aust.*, Fla.
171. Texanus *Aust.* (*F. Hallii. Aust.*), Tex.
172. tortilis *Hpe.*, Mex.
var. scalpellatus *C. M.*, Mex.
173. circinans *Sch.*, Mex.
174. ventricosus *Lx.*, Cal.
175. Closteri *Aust.*, N. J.
176. subcrenatus *Sch.*, Mex.

B. Fruit axillary.

177. subbasilaris *Hedw.*, No. and Mid. Sts., Ohio, Ala.
178. taxifolius *Hedw.*, Mid. Sts., Ohio, Ala.
179. adiantoides *Hedw.*, No. and E. U. S., Pac. Coast, Br. Am.
var. rupestris (*F. rupestris Wils.*), Mid. Sts.
180. polypodioides *Hedw.*, Mex., La., Fla., Ga.
181. grandifrons *Brid.*, N. Y., No. W. to Rky. Mts., Br. Am., Pac.
var. strictus *Besch.*, Mex.
182. decipiens *D. N.*, Fla., Ohio, Ill., Ontario.

C. Sterile.

183. Bourgeanus *Besch.*, Mex.

34. CONOMITRIUM *Mont.*

184. Julianum *Mont.*, N. E., Mid. and W. Sts., Fla., Ala.
var. Mexicanum *Sch.*, Mex.
185. Hallianum *S. & L.*, N. J., Ill., Fla.
186. reticulosum *C. M.*, Mex.

Tribe IV. SELIGERIACÆ.

Family I. SELIGEREÆ.

35. ANODUS *B. & S.*

187. Donianus *B. & S.*, N. Y., and Br. Am.

36. SELIGERIA *B. & S.*,

188. tristchia *B. & S.*, Ohio.
189. recurvata *B. & S.*, N. Y., N. J., Pa., Br. Am.
190. globifera *Hpe.*, Mex.
191. pusilla *B. & S.*, Mo., Br. Am.
192. calcarea (*Dicks.*), Ohio.

37. BLINDIA *B. & S.*

193. acuta *Br. Eu.*, Catskill Mts. and No. to G'land.

38. CAMPYLOSTELIUM *B. & S.*

194. saxicola *W. & M.*, N. E. Sts., N. J., Ky.

Tribe V. CERATODONTACEÆ.

Family I. CERATODONTEÆ.

39. CERATODON *Brid.*

195. purpureus *Brid.*, No. U. S., to Pac. Coast, Br. Am.
var. aristatus, N. J., Pa.
" xanthopus, Rky. Mts., Cal.
196. *minor *Aust.*, British Columbia.
197. stenocarpus *B. & S.*, Mex.
198. perichætialis *Sch.*, Mex.

40. TRICHODON *Sch.*
199. cylindricus *Aust.*, Vanc'r I.
200. nodulosus *Aust.*, N. Y., N. J.

Family II. LEPTOTRICHEÆ.

41. LEPTOTRICHUM *Hpe.* (*Trichostomum B. & S.*)
201. tortile *Schrad.*, N. E., No. and W. Sts., Ala., Br. Am.
" var. pusillum, N. Y., Pa.
202. tenue *Swartz* (*T. vaginans Sull.*), N. E. Sts. to Mo., Br. Am.
203. flexicaule (*Schwg.*), Pac. Coast., Br. Am.
" var. erosum *Aust.*, Br. Am.
204. pallidum (*Schreb.*), Atl., Gulf and West. Sts., Br. Am.
205. glaucescens (*Hedw.*), Mid. and E. Sts., Br. Am., Col.
206. Schimperi *Lx.*, Pac. Coast.
207. heteromallum *Lindbg.*, (*L. Sullivanti Aust.*) Wht. Mts.
208. leptocarpum *Sch.*, Mex.
209. Mexicanum *Sch.*, Mex.
210. Mittenii *Besch.*, Mex.

42. SYMBLEPHARIS *Mont.*
211. helicophylla *Mont.*, Mex.
212. Chrismari *C. M.*, Mex.

Family III. DISTICHEÆ.

43. DISTICHIUM *B. & S.*
213. capillaceum *B. & S.*, No. E. U. S., Br. Am., Pac., Rky. Mts.
214. inclinatum *B. & S.*, Ohio., No. and West., Col.

Tribe VI. EUSTICHIACEÆ.

Family I. EUSTICHIÆ.

44. EUSTICHIUM *Brid.*
215. Norvegicum *Br. Eu.*, O., Pa., Ky., Mex.

Tribe VII. POTTIACEÆ.

Family I. POTTIEÆ.

45. PHAROMITRIUM *Sch.*
216. subsessile *Sch.*, Br. Am., Col.
217. exiguum *Aust.*, Tex., Ill.

46. POTTIA *Erh.*
A. Capsule gymnostomous or nearly so.
218. cavifolia (*Dicks.*), Pac. Coast, Col.
219. minutula (*Schwg.*), Texas.

220.	truncata (*L.*),	N. E. and Mid. Sts.
	var. subcylindrica,	Br. Am.
221.	Heimii *Hedw.*,	Br. Am., Col., Pac. Coast.
222.	subsessilis *B. & S.*,	Pac. Coast.
223.	riparia *Aust.* (*Didymodon?*),	Mid. Sts.
224.	Mexicana *Hpe.*,	Mex.
225.	exiguum *Aust.*,	Tex., Ill.
	B. Capsule bearing a distinct peristome.	
226.	Starkeana (*Hedw.*),	Pac. Coast.
227.	latifolia (*Schwg.*),	Br. Am., Rky. Mts., Cal.

47. DIDYMODON *Hedw.*

228.	rubellus (*Roth.*),	U. S., Br. Am.
229.	luridus *Horn.*,	Niag. Falls.
230.	cylindricus (*Bruch.*),	Mid. Sts.
231.	Mexicanus *Besch.*,	Mex.
232.	æneus *Sch.*,	Mex.
233.	*diversifolius *Aust.* (*Trichostomum tophaceum Brid. var.?*),	N. Y.

Family II. TRICHOSTOMEÆ.

48. TRICHOSTOMUM *Sm.*

234.	tophaceum *Brid.*,	Pac. Coast, Col., N. Y., O.
235.	rigidulum *Sm.*,	Br. Am., Pac. Coast.
236.	crassinervium *Hpe.*,	Pac. Coast.
237.	anomalum *Sch.*,	Br. Am., Pac. Coast.
238.	flexipes *B. & S.*,	Pac. Coast.
239.	corniculatum *Wahl.*,	Pac. Coast.
240.	dicranelloides *Sch.*,	Mex.
241.	campylocarpum *C. M.*,	Mex.
242.	obtusifolium *Hpe.*,	Mex.
243.	crispulum *Br.*,	Mex.
244.	subanomalum *Besch.*,	Mex.
245.	Bescherellii *Sch.*,	Mex.
246.	ramulosum *Sch.*,	Mex.
247.	rubiginosum *Mitt.*,	Br. Am.
248.	ulocalyx *C. M.*,	Mex.
249.	stellatum *C. M.*,	Mex.
250.	luteolum *Besch.*,	Mex.
251.	luridum *Horn.*,	About the Gt. Lakes.
252.	macrostegium *Sull.*,	Ala., La.
253.	*scitulum *Aust.* (*Leptotrichum?*),	N. J.
254.	subdenticulatum *Aust.*,	Fla.
255.	*Coloradense *Aust.*,	Cal.
256.	chlorophyllosum *C. M.*,	Mex.
257.	flavo-virens *Bruch.* (*Barbula tortifolia Jas.*),	Fla.

49. CALYMPERES *Sw.*

258.	disciforme *C. M.*,	Fla., Mex.
259.	Richardi *C. M.*,	Fla., Mex.
260.	Donnellii *Aust.*,	Fla.
261.	*filigerum *Aust.*,	Fla.

50. SYRRHOPODON *Schwg.*

262.	crispus *Aust.*,	Fla.
263.	parvulus *Sch.*,	Mex.
264.	Texanus *Sull.*,	Gulf Sts., N. C.
265.	albovaginatus *Schwg.*,	Mex.
266.	Hobsoni *H. & G.*,	Mex.
267.	Floridanus *Sull.*,	Fla., La.
268.	circinatus *Sch.*,	Mex.
269.	*Rauei *Aust.*,	Pa.
270.	Mohrii *C. M.*,	Mex.
271.	Sartorii *C. M.*,	Mex.

51. DESMATODON *Brid.*

272.	latifolius *Hedw.*,	Pac. Coast, Col., Br. Am., G'land.
	" var. glacialis,	Col.
273.	sistylius *B. & S.*,	Col., Pac. Coast.
274.	cernuus (*Wahl.*),	Col., Br. Am.
275.	obliquus *B. & S.*,	Rky. Mts.
276.	Laureri (*Schulz*),	Col.
277.	arenaceus *S. & L.*,	Ohio.
278.	flavicans *Funk*, (*Barbula obtusifolia Schwg.*),	Col., Br. Am.
279.	Porteri *Jas.*,	Pa., Niag. Falls, O., Ill.
280.	Californicus *Lx.*,	Cal.
281.	Sartorii *C. M.*,	Mex.
282.	plinthobius *S. & L.*,	Pa., O., So. Sts.

52. BARBULA *Hedw.*

A. Aloidella.

283.	brevirostris *B. & S.*,	Br. Am.
284.	rigida *Schulz*,	Ill., Col., Br. Am.

B. Barbula.

285.	membranifolia *Schulz*,	Cal.
286.	chloronotus *Schulz*,	Cal.
287.	atrovirens *Sm.*, var. edentula,	Col., Cal.
288.	Guepini *B. & S.*,	Cal.
289.	cuneifolia *Dick.*,	Cal.
290.	Vahliana *Schulz*,	Cal.
291.	marginata *B. & S.*,	Cal.
292.	muralis *Timm.*,	N. J., Pa., So. Sts., Col.

C. Tortula.

293. ungiculata *Dill.*, No. and East. U. S., Ala.
294. fallax *Hedw.*, No. and East. U. S., Br. Am., Rky. Mts.
295. recurvifolia *Sch.*, N. Y., N. J., and West to Col.
296. vinealis *Br. Eu.*, O., Br. Am., Pac. Coast, Mex.
" var. placida, Cal.
297. gracilis *Schwg.*, Br. Am.
298. convoluta *Hedw.*, var. Americana *Aust.*, Mid. Sts., O., Br. Am., Pac.
299. cæspitosa *Schwg.*, Atl. Sts. and West'd, Gulf Sts., Mex.
300. tortuosa *W. & M.*, Mid. Sts., Br. Am., Rky. Mts.
301. fragilis *Wils.*, N. J. to Canada, Rky. Mts.
302. Donnellii *Aust.*, Fla.
303. agraria *Swartz*, Fla.
304. Rauei *Aust.*, Tex.
305. gracilescens *Sch.*, Mex.
306. graciliformis *Sch.*, Mex.
307. leptocarpa *Besch.*, Mex.
308. Bourgeana *Besch.*, Mex.
309. erythropoda *Sch.*, Mex.
310. rufipes *Sch.*, Mex.
311. olivacea *Besch.*, Mex.
312. teretiuscula *Sch.*, Mex.
313. ferruginea *Sch.*, Mex.
314. graminicolor *C. M.*, Mex.
315. Orizabana *C. M.*, Mex.
316. flaccidiseta *Ltz.*, Mex.
317. spiralis *Sch.*, Mex.
" var. humilis *C. M.*, Mex.
318. trichostomoides *Besch.*, Mex.
319. Jooriana *C. M.* (*B. Ravenelii Aust.*), Ga., La.
320. Indica *Hook.* (*B. Cruegeri Sond.*, *B. Closteri Aust.*), La., N. J., Fla.
321. subfallax *Mull.*, Pac. Coast.
322. semitorta *Sull.*, Pac. Coast.
323. insulana *D. N.*, Pac. Coast.
324. flexifolia *Hpe.*, Pac. Coast.
325. arctocarpa *Lx.*, Pac. Coast.
326. virescens *Lx.*, Pac. Coast.
327. brachyphylla *Sull.*, Pac. Coast.
328. Bolanderi *Lx.*, Pac. Coast.
329. amplexa *Lx.*, Pac. Coast.

D. Syntrichia.

330. subulata *Brid.* N. E. Sts., N. Y., Ill., Cal., Br. Am.
" var. subinermis, Col.
" " mucronifolia (*B. mucronifolia Schwg.*), N Y., O., Br. Am., Col.

331. inermis *Mont.*, Col., Pac. Coast.
332. lævipila *Br. Eu.*, Pac. Coast, Br. Am.
333. latifolia *Br. Eu.*, Pac. Coast.
334. ruralis *Hedw.*, Br. Am., Col., Tex.
" var. gigantea, Pac. Coast.
335. papillosa *Wils.*, N. E. to Fla.
336. Mulleri *Bruch.*, Pac. Coast, Br. Am.
337. intermedia *Brid.*, Pac. Coast, N. J.
338. glacialis *Ktz.*, Mex.
339. amphidaeæ *C. M.*, Mex.
340. brevipes *Lx.*, Pac. Coast.
341. Ehrenbergiana *C. M.*, Mex.
342. obtusissima *C. M.*, Mex.

Tribe VIII. GRIMMIACEÆ.

Family I. GRIMMIEÆ.

53. SCOULERIA *Hook.*
343. aquatica *C. M.*, Pac. Coast.
54. GRIMMIA *Ehr.*
A. Schistidium.
344. sphærica *Hedw.*, Br. Am.
345. conferta *Funk*, N. E. and Mid. Sts., Br. Am., Col., Pac. Coast.
" var. obtusifolia, N. E.
" " longipila, Mid. Sts.
346. apocarpa *L.*, N. E. to Miss. Riv. and So. Col., Pac.
" var. gracilis, N. J.
" " rivularis, Mid. Sts., Pac. Coast.
347. maritima *Turn.*, Me., R. I., Newfound'd.
348. Agassizii *S. & L.*, L. Superior and N. Brunsw'k.
349. Coloradensis *Aust.*, Col.
350. ambigua *Sull.*, N. Mex.
351. fuliginosa *Sch.*, Mex.
352. Schiedeana *C. M.*, Mex.
353. platyphylla *Mitt.*, Col., Davis Straits.
B. Gasterogrimmia.
354. Jamesii *Aust.*, Rky. Mts.
355. anodon *B. & L.*, Wht. Mts., Br. Am., Col.
356. brachyodon *Aust.*, Cal.
357. plagiopoda *Hedw.*, Rky. Mts.
358. Brandegei *Aust.*, Col.
C. Grimmia.
359. pulvinata *Dill.*, Pac. Coast.
360. contorta *Wahl.*, Pac. Coast.
361. torquata *Grev.*, Br. Am.

362.	Muhlenbeckii *Sch.*,	Pac. Coast.
363.	trichophylla *Grev.*,	Col., Br. Am., Pac. Coast.
364.	imberbis *Ktz.*,	Mex.
365.	fuscolutea *Hook.*,	Mex.
366.	Pennsylvanica *Schw.*,	Atlantic Sts., Mex.
367.	Olneyi *Sull.*,	Mid. Sts., Br. Am.
368.	Californica *Sull.*,	Pac. Coast.
369.	hamulosa *Lx.*,	Pac. Coast.
	D. Gumbelia.	
370.	Donniana *Sm* (*G. obtusa Schwg.*),	Wht. Mts., Br. Am.
371.	ovata *W. & M.*,	N. Y., Col., Br. Am., Mex.
	" var. affinis,	Rky. Mts., Col.
372.	leucophæa *Grev.*,	N. J., N. Y., O., Ga., Pac. Coast, Br. Am.
373.	montana *B. & S.*,	Canada, Col.
374.	alpestris *Schl.*,	Br. Am., Cal.
375.	elongata *Kauf.*,	Wht. Mts.
376.	unicolor *Grev.*,	N. Y., Mid. Sts., Br. Am.
377.	laxa *C. M.*,	Mex.
378.	calyptrata *Hook.*,	New Mex., Col., Br. Am.
	Incertæ sedis.	
379.	*subincurva *Aust.*,	Col.

55. RACOMITRIUM *Brid.*

380.	Sudeticum *Brid.*,	Mid. Sts., Br. Am.
381.	heterostichum *Hedw.*,	Pac. Coast, Col., Br. Am.
382.	fasciculare *Schrad.*,	Alleg. Mts. and North. Br. Am.
383.	microcarpum *Hedw.*,	Mid. Sts.
384.	languinosum *Hedw.*,	N. E. to Or., Vanc'r I., G'land.
385.	canescens *Hedw.*,	N. E. to Vanc'r I.
386.	*varium *Mitt.*,	Br. Columb.
387.	*Nevii *C. M.*,	Oregon.
388.	cylindricum *Sch.*,	Mex.
389.	patens *Dicks.*,	Pac. Coast.
390.	depressum *Lx.*,	Pac. Coast.

Family II. HEDWIGIEÆ.

56. HEDWIGIA *Ehr.*

391.	ciliata *Ehr.*,	Atl. Sts., Col., Pac. Coast.
	" var. leucophæa,	Col., Br. Am.
	" " falcata,	Oregon.
392.	subrevoluta *C. M.*,	Mex.

57. HEDWIGIDIUM *B. & S.*

393.	squarrulosum *B. & S.*,	Mex.

58. BRAUNIA *B. & S.*

394.	Californica *Lx.* (*H. pilifera Mitt.*),	Pac. Coast, Br. Am.
395.	secunda *B. & S.*,	Mex.
396.	Andreuxii *Ltz.*,	Mex.
397.	Liebmanniana *Sch.*,	Mex.

Family III. PTYCHOMITRIEÆ.

59. COSCINODON *Spreng.*

398.	Wrightii *Sull.*,	Tex., Na., N. Mex., Col.
399.	Ranei *Aust.*,	Col.

60. PTYCHOMITRIUM *B. & S.*

400.	incurvum *Schwg.* (*P. pygmæum L. & J.*),	N. Y. to Ga., O., Kan., Mo.
401.	Drummondii *H & W.*,	So. Ill. to S. C. and the Gulf.
402.	lepidomitrium *Sch.*,	Mex.
403.	Reichenbachianum *Ltz.*,	Mex.
404.	serratum *Sch.*,	Mex.
405.	Gardneri *Lx.*,	Cal.

61. GLYPHOMITRIUM *Brid.*

406.	Canadense *Mitt.*,	Br. Am.

Family IV. ZYGODONTEÆ.

62. AMPHORIDIUM *Sch.*

407.	Lapponicum *Hedw.*,	Mid. Sts., Br. Am., Col., Pac. Coast.
408.	Mougeotii *B. & S.*,	Mid. Sts., Col.
409.	cæspitosum *Mitt.*,	Vanc'r I.

63. ZYGODON *H. & T.*

410.	Californicus *Hpe.*,	Pac. Coast.
411.	Sullivantii *C. M.*,	N. C.
412.	affinis *Sch.*,	Mex.
413.	cylindricus *Sch.*,	Mex.
414.	Liebmanni *Sch.*,	Mex.
415.	spathulæfolius *Besch.*,	Mex.
416.	angustatus *Sch.*,	Mex.
417.	Ehrenbergii *C. M.*,	Mex.
418.	circinatus *Sch.*,	Mex.
419.	campylophyllus *C. M.*,	Mex.

64. DRUMMONDIA *Hook.*,

420.	clavellata *Hook.*,	Can. to Ga.

65. MACROMITRIUM *Brid.*

421.	Lieboldtii *Hpe.*,	Mex.
422.	Mexicanum *Mitt.*,	Mex.
423.	Ghiesbrechtii *Besch.*,	Mex.
	" var. brevifolium.	Mex.
424.	rhabdocarpum *Mitt.*,	Fla., Mex.
425.	Sumichrasti *Duby.*,	Mex.
426.	flexuosum *Sch.*,	Mex.
427.	pentastichum *C. M.*,	Mex.
428.	tomentosum *C. M.*,	Mex.
429.	tortuosum *Sch.*,	Mex.
430.	Mulleri *Sch.*,	Mex.
431.	leptophyllum *Besch.*,	Mex.
432.	Dregei *Hoch.*,?	Neb., Ga.
433.	perpusillum *C. M.*,	Mex.
434.	Sartori *C. M.*,	Mex.
	" var. gracilescens,	Mex.
	" " robustius *C. M.*,	Mex.

66. MICROMITRIUM *Sch.*

435.	Schlumbergeri *Sch.*,	Mex.

67. SCHLOTHEIMIA *Brid.*

436.	Sullivanti *C. M.*,	Gulf Sts.
437.	Sartorii *Sch.*,	Mex.
438.	sphæropoma *Duby*,	Mex.
439.	Mohriana *C. M.*,	Mex.

Family V. ORTHOTRICHEÆ.

68. ULOTA *Brid.*

440.	Drummondii *Grev.*,	Br. Am.
441.	Ludwigii *Brid.*,	N. Y., Alleg'y Mts., Br. Am.
442.	curvifolia *Wahl.*,	Br. Am.
443.	crispa *Hedw.*,	No. and East. U. S., Br. Am.
444.	*crispula *Hornsch.*,	No. and East. U. S., Br. Am.
445.	phyllantha *Brid.*,	Pac. Coast.
446.	Hutchinsiæ *Smith.*,	Atl. Sts., Col., G'land.
447.	Barclayi *Mitt.*,	Alaska.

69. ORTHOTRICHUM *Hedw.*

A. Peristome usually simple.

448. anomalum *Hedw.*, No. and East. U. S., Br. Am., Col., G'land.

449. cupulatum *Hoffm.*,
" var. Peckii, } (*O. Porteri* (*S. & L.*), *Aust.*) Pa., N. Y.,
" " Porteri, } N. J., Ga.
" " parvulum, N. E. Sts.,? N. Mex., Col.
" " minus, (*O. Lescurii Aust.*) Mid. and N. E. Sts., } Col., Lake Ont. }
450. Sturmii *H. & H.*, Tex., N. Mex., Col., Cal.
451. Texanum *Sull.*, Tex., N. Mex., Col., Pac. Coast.
" var. globosum, Pac. Coast.
452. Jamesianum *Sull.*, Can., Na.

B. Peristome double, ciliæ either 8 *or* 16.

453. rupestre *Sch.*, Col., Pac. Coast.
454. obtusifolium *Schrad.*, Mid. Sts.
455. affine *Schrad.*, Lake Superior region.
456. speciosum *Nees.*, Br. Am., Col., Pac. Coast.
" var. polyanthum *Lx.*, Cal.
" " brevicaule *Lx.*, Pac. Coast.
457. Rauei *Aust.*, Col.
458. alpestre *Hornsch.*, var. Can., Rky. Mts.
459. fallax *Swartz*, N. J.
" var. truncatulum *Aust.*, Ill.
460. tenellum *Bruch.*, Col.
461. exiguum *Sull.*, S. C.
462. brachytrichum *Sch.*, Pa., N. Y., Lake Sup., Br. Columb.
463. strangulatum *Beauv.*, N. E. Sts. to Va. and O.(?)
464. *sordidum *S. & L.*, Mid. and N. E. Sts., Br. Am.
465. Ohioense *S. & L.*, O., Mid. and N. E. Sts., Br. Am.
466. psilocarpum *Jas.* (*O. pusillum Mitt.?*), Mid. Sts., Conn., S. C.
467. Hallii *S. & L.*, Col.
468. Kingianum *Lx.*, Col., Na.
469. Macouni *Aust.*, Br. Columb.
470. Bolanderi *Sull.*, Cal.
471. cylindricarpum *Lx.* (*O. Coulteri Mitt.?*), Cal., Col.
472. consimile *Mitt.*, Br. Am., Col., Pac. Coast.
473. Columbicum *Mitt.*, Pac. Coast.
474. elegans *Sch.*, Br. Columb.
475. Watsoni *Jas.*, Na., Col.

C. Peristomal teeth 8 *soon broken up into* 16, *ciliæ* 16.

476. pallens *Bruch.*, Br. Columb.
477. rivulare *Turn.*, Pac. Coast.
478. diaphanum *Schrad.* (*O. canum Mitt.*), Br. Am., Col.
479. pulchellum *Sm.*, Br. Am., Pac. Coast.
480. Hainesiæ *Aust.*, Col.
481. pycnophyllum *Sch.*, Mex.
482. recurvans *Sch.*, Mex.

D. Peristomal teeth 16 composed of a double series of cells, eroded at the sides and papillose.

483. Lyellii *H. & T.*, Br. Am., Pac. Coast.
484. leiocarpum *B. & S.* (*O. speciosum Nees. var. polyanthum Lx.* } *fide Aust.*), N. E. Sts., Br. Am. }

Family VI. ENCALYPTEÆ.

70. ENCALYPTA *Schrad.*
485. commutata *N. & H.*, Br. Am., Rky. Mts.
486. vulgaris *Hedw.*, Br. Am., Rky. Mts., Pac. Coast.
" var. obtusa, Col.
487. rhabdocarpa *Schwg.*, Br. Am., Rky. Mts., N. Mex.
488. ciliata *Hedw.*, N. H., N. Y., O., Br. Am., Rky. Mts., Pac. Coast.
489. apophysata *N. & H.*, Rky. Mts.
490. procera *Bruch*, Br. Am.
491. streptocarpa *Hedw.*, Mid. Sts., Br. Am., Cal.
492. Mexicana *C. M.*, Mex.
493. *longipes *Mitt.*, Rky. Mts.
494. Macounii *Aust.*, Can.
495. Selwyini *Aust.*, Vanc'r I.

Tribe IX. TETRAPHIDACEÆ.

Family I. TETRAPHIDEÆ.

71. TETRAPHIS *Hedw.*
496. pellucida *Hedw.*, U. S., Br. Am.

72. TETRODONTIUM *Schwg.*
497. repandum *Funk*, Wht. Mts., N. H.

Tribe X. SCHISTOSTEGACEÆ.

Family I. SCHISTOSTEGEÆ.

73. SCHISTOSTEGA *Mohr.*
498. osmundaceæ *W. & M.*, N. Y., Wht. Mts., Br. Am.

Tribe XI. SPLACHNACEÆ.

Family I. TAYLORIEÆ.

74. DISSODON *G. & A.*
499. Frœlichianus *Frœl.*, Rky. Mts.
500. Hornschuchii *Grev.*, Rky. Mts.
501. splachnoides *Thun.*, Col., Br. Am.

75. TAYLORIA *Hook.*
- 502. splachnoides *Hook.*, — Col., Br. Am.
- 503. serrata *B. & S.*, — Pac. Coast, Col., Br. Am.
- 504. tenuis *Dicks.*, — G'land.

Family II. SPLACHNEÆ.

76. TETRAPLODON *B. & S.*
- 505. angustatus *B. & S.*, — Wht. Mts., Br. Am., Arc. regions.
- 506. australis *S. & L.*, — Atl. Sts.
- 507. mnioides *B. & S.*, — N. Y., Br. Am., G'land.
  - " var. Adamsianus, — Arc. regions.
  - " " cavifolius, — Arc. regions.
- 508. urceolatus *B. & S.*, — Rky. Mts.

77. SPLACHNUM *L.*
- 509. Wormskjoldii *Hornsch.*, — Arc. Am., G'land.
- 510. sphæricum *L.*, — Br. Am.
- 511. vasculosum *L.*, — Arc. regions.
- 512. ampullaceum *L.*, — N. E. to Pa. and O.
- 513. rubrum *L.* (*S. Fowleri Aust.*), — Me., Br. Am.
- 514. melanocaulon *Schw.*, — Pac. Coast.

Tribe XII. DISCELIACEÆ.

Family I. DISCELIEÆ.

78. DISCELIUM *Brid.*
- 515. nudum *Dicks.*, — Pa., O., Can. to Vanc'r I.

Tribe XIII. FUNARIACEÆ.

Family I. PHYSCOMITRIEÆ.

79. APHANORRHEGMA *Sull.*
- 516. serratum *Sull.*, — Mid. and West. Sts.

80. PYRAMIDULA *Brid.*
- 517. tetragona *Brid.*, — N. Am.

81. PHYSCOMITRIUM *Brid.*
- 318. pyriforme *L.*, — Ill., Atl. Sts., Fla., La., Br. Am., Col., Pac. Coast.
- 319. hians *Lindbg.* (*P. latifolium Hook.*), — O., Col.
- 520. immersum *Sull.*, — Ill., Mid. Sts., O., S. C.
- 521. subsphæricum *Sch.*, — Mex.
- 522. tetragonum *B. & S.*, — Ind., Tex., Col.

82. EUTOSTHODON *Schw.*
523. Drummondi *Sull.*, Gulf Sts.
524. Bolanderi *Lx.*, Pac. Coast.
525. Templetoni *Schwg.*, Pac. Coast.
526. longisetus *Sch.*, Pac. Coast.

83. FUNARIA *Schreb.*
527. Americana *Lindbg.* (*F. Muhlenbergii Hedw.*), Pa.
528. Mediterranea *Lindbg.* (*F. Muhlenbergii Schwg. and F. calcarea Sch.*), Cal.
529. calcarea *Wohl.* (*F. Hibernica H. & T.*), Br. Am.
530. serrata *Beauv.*, Pa. to So. Sts.
531. Californica *S. & L.*, Cal.
532. flavicans *Michx.*, West. and So. U. S., and the coast North'd.
533. hygrometrica *Hedw.*, U. S., Br. Am.
" var. patula, Pa., N. J., Col., Pac. Coast.
" " calvescens, Pa., O., So. Sts. to Mex.
534. annulata *Besch.*, Mex.
535. obtusata *Sch.*, Mex.
536. convoluta *Hpe.*, Cal.
537. microstoma *B. & S.*, Cal.
538. Ravenellii *Aust.*, S. C.
539. Sartorii *C. M.*, Mex.
540. Orizabensis *C. M.*, Mex.

Tribe XIV. BRYACEÆ.

Family I. PLEUROBRYEÆ.

84. MIELICHOFEIRA *N. & H.*
541. *compacta *Aust.* (*Bryum?*), Wht. Mts., N. J., Br. Am.
542. macrocarpa *B. & S.*, Mex.
543. Schiediana *C. M.*, Mex.
544. campylotheca *C. M.*, Mex.

Family II. BRYEÆ.

85. LEPTOBRYUM *Sch.*
545. pyriforme *L.*, Br. Am., U. S., Mex.

86. WEBERA *H.*
546. acuminata *H. & H.*, N. Y., Adirond'k Mts.
547. polymorpha *H. & H.*, Pac. Coast.
548. elongata *Dicks.*, Wht. Mts., N. Y., So. Sts., Col.
" var. humilis *B. & S.*, Br. Am., Col.
549. longicolla *Swartz*, Br. Am. Pac. Coast.

550. Lescuriana *Sull.*, N. E., Mid. Sts., Va., Br. Am.
551. nutans *Schreb.*, No. and East. U. S., Pac. Coast.
" var. cæspitosa, Col.
" " bicolor, Pa.
" " longiseta, Col.
552. cucullata *Schwg.*, Wht. Mts., Pac. Coast.
553. cruda *Schreb.*, No. and East. U. S., Br. Am., Col., Mex.
554. Schimperi *C. M.*, G'land.
555. annotina *Hedw.*, N. E., Mid. Sts., Br. Am.
556. Bolanderi *Lx.*, Cal.
557. Ludwigii *Schwg.*, Br. Am., Rky. Mts., Pac. Coast.
558. Tozeri *Grev.*, Pac. Coast,
559. albicans *Wahl.*, No. and East. U. S., Br. Am., Pac. Coast.
" gracilior, Pac. Coast.
560. integridens *Sch.*, Mex.
561. spectabilis *Hpe.*, Mex.
562. cylindrica *Sch.*, Mex.
563. Mulleriana *Sch.*, Mex.
564. falcata *Besch.*, Mex.
565. nudicaulis *Lx.*, Pac. Coast.
566. subdenticulata *B. & S.*, Col.

87. Bryum *Dill.*
567. arcticum *R. Br.*, Pac. Coast, Rky. Mts., Br. Am., G'land.
568. purpurascens *R. Br.*, Rky. Mts., Br. Am.
569. Brownii *R. Br.*, Rky. Mts., Br. Am.
570. Lindgreni *Sch.* (*B. arcticum B. & S.*), Pac. Coast. Rky. Mts.
571. pendulum *Hornsch.* (*B. cernuum B. & S.*), No. and East. U. S., Br. Am., Rky. Mts., Pac. Coast.
572. inclinatum *Swartz.*, Br. Am., Pac. Coast.
573. Warneum *Bland*, Pac. Coast.
574. uliginosum *Bruch*, Mid. and West. Sts., Br. Am., Rky. Mts.
575. flexuosum *Aust.*, Br. Columb.
576. intermedium *W. & M.*, U. S., Br. Am.
577. cirrhatum *H. & H.*, Col., Pac. Coast.
578. bimum *Schreb.*, No. and East. Sts., Rky. Mts., Pac. Coast.
579. torquescens *B. & S.*, Br. Am., Tex., N. Mex., Ala., Pac. Coast.
580. provinciale *Phil.*, Fla.
581. pallescens *Schleich.*, O., Br. Am., Col., Pac. Coast.
582. subrotundum *Brid.*, Br. Am., Pac. Coast.
583. atropurpureum *W. & M.*, O., Tenn., Ala., Fla.
584. murale *Wils.*, Mex.
585. alpinum *Link*, Wht. Mts.
586. Muhlenbeckii *B. & S.*, Pa., Col.
587. cæspiticium *L.*, No. and East. U. S., Col., Ala., Br. Am., Pac. Cst.

588.	Blindii *B. & S.*,	Br. Am.
589.	argenteum *L.*,	U. S., Br. Am.
	" var. corrugatum *Hpe.*,	Mex.
590.	capillare *L.*,	U. S., Mex.
	" var. longicolla,	Mex.
591.	obconicum *Hornsch.*,	Col., Pac. Coast.
592.	Canariense *Brid.*,	Pac. Coast.
593.	cyclophyllum *Schwg.*,	Mid. Sts.
594.	pallens *Swartz*,	Mid. Sts., Br. Am.
595.	Duvallii *Voit*,	N. E., Pac. Coast.
596.	pseudo-triquetrum *Schwg.*,	No. and East. U. S., Br. Am., Col., Pac. Coast.
597.	turbinatum *Hedw.*,	Col., Can., and West'd to Pac. Coast.
	" var. latifolium,	Pac. Coast.
598.	systilium *C. M.*,	Mex.
599.	imbricatum *Sch.*,	Mex.
600.	minutulum *Hpe.*,	Mex.
601.	Mexicanum *Mont.*,	Mex.
602.	tenellum *Sch.*,	Mex.
603.	rosulatum *C. M.*,	Mex.
604.	patulum *Sch.*,	Mex.
605.	angustatum *Sch.*,	Mex.
606.	*Clintoni *Aust.*,	N. Y.
607.	Biddlecomiæ *Aust.*,	Col.
608.	*Macouni *Aust.*,	Br. Am., Pac. Coast.
609.	*Rauei *Aust.*,	Wht. and Catskill Mts.
610.	sanguineum *Ludw.*,	Ala.
611.	occidentale *Sull.*,	Pac. Coast.
612.	Californicum *Sull.*,	Pac. Coast.
613.	Bigelowii *Sull.*,	Pac. Coast.
614.	Atwateriæ *C. M.*,	Col.
615.	Mohrii *Lx.*,	La.
616.	minutulum *Sch.*,	Mex.
617.	plagiopodium *Sch.*,	Mex.
618.	brevicaule *Sch.*,	Mex.
619.	Pohliæforme *Sch.*,	Mex.
620.	coronatum *Schwg.*,	Fla., Mex.
621.	andicola *Hook.*,	Mex.
622.	Bolteri *C. M.*,	Mex.
623.	Mexicanum *Mont.*,	Mex.
624.	didymodontium *Mitt.*,	Mex.
625.	miniatum *Lx.*,	Col.
626.	Oreganum *Sull.*,	Cal.
627.	roseum *Schreb.*,	U. S., Br. Am.
628.	domingense *Steud.*,	Mex.

629. procerum *Sch.*, Mex.
630. Ehrenbergianum *C. M.*, Mex.
631. comatum *Besch.*, Mex.
632. subroseum *Besch.*, Mex.
633. Liebmanni *Sch.*, Mex.
634. Sartorii *Sch.*, Mex.
635. concinnatum *Spruce*, N. Y.
636. prostratum *C. M.*, Mex.

88. ZIERIA *Sch.*
637. julacea *Dicks.*, Col.
638. demissa *Hornsch.*, Col.

89. RHIZOGONIUM *Br.*
639. spiniforme *Br.*, Gulf Sts., Mex.
640. Menziesii (*Hook.*) (*Mnium Menziesii Hook.*), Cal., Or., Br. Colb.

90. MNIUM *L.*

A. Leaves bordered simply serrate.

641. cuspidatum *Hedw.*, No. and East. U. S., Br. Am., Col.
642. affine *Bland.*, No. and East. U. S.. Br. Am., Pac. Coast.
" var. elatum, Pa., Col.
" " rugicum, Ohio.
643. medium *B. & S.*, Mid. Sts., Br. Am., Pac. Coast.
644. Drummondii *B. & S.*, Mts. of N. E., N. Y., Pa., Br. Am.
645. rostratum *Schrad.*, No. and East. U. S., Br. Am., Mex., Col.
646. *insigne *Mitt.* (*M. affine Bland. var.?*), Pac. Coast.
647. venustum *Mitt.*, Pac. Coast.
648. *Nevii *C. M.*, Oregon.

B. Leaves bordered doubly dentate.

649. hornum *L.*, No. and East. U. S., Br. Am.
650. serratum *Schrad.*, No. and East. U. S., Br. Am., Col.
651. orthorrhynchum *B. & S.*, No. and East. U. S., Br. Am.
652. lycopodioides *Hook.*, No. and East. U. S., Br. Am.
653. spinosum *Voit*, Col.
654. spinulosum *B. & S.*, U. S., Br. Am.
655. *umbratile *Mitt.*, Br. Columb.

C. Leaves not bordered.

656. stellare *Hedw.*, No. and East. U. S., Br. Am.
657. cinclidioides *Blytt.*, No. and East. U. S., Br. Am.

D. Leaves bordered entire.

658. punctatum *Hedw.*, No. and East. U. S., Br. Am.
659. subglobosum *B. & S.*, Br. Am., Col., Pac. Coast.

91. CINCLIDIUM *Swartz., Schrad.*
660. stygium *Swartz.*, Labrador, G'land.

661. subrotundum *Brid.*, Labrador, G'land.

Family III. AMBLYODONTEÆ.

92. AMBLYODON *P. Beauv.*
662. dealbatus *Dicks.*, N. Y., Wis., Col.

Family IV. MEESEÆ.

93. CATOSCOPIUM *Brid.*
663. nigritum *Brid.*, Rky. Mts., Br. Am.

94. MEESEA *Hedw.* (*Meesia.*)
664. trichodes (*L.*) *Spruce* (*M. uliginosa Hedw.*), Wht. Mts., N. Y., O., Br. Am., Col., Pac. Coast.
" var. alpina, Alpine and Northern regions.
665. longiseta *Hedw.*, N. E. and Mid. Sts., Pac. Coast.
666. triquetra (*L.*) *Lindbg.* (*M. tristicha Funk.*), Mid. Sts., Br. Am., Pac. Coast.
667. Macouni *Aust.*, Br. Columb.

95. PALUDELLA *Ehr.*
668. squarrosa *L.*, N. Y., Br. Am., Arc. regions.

Family V. AULACOMNIEÆ.

96. AULACOMNION *Schw.*
669. androgynum *L.*, Col., Br. Am., Pac. Coast.
670. palustre *L.* (*A. papillosum C. M.*), U. S., Br. Am.
" var. rupestris, Atl. Sts.
671. turgidum *Wahl.*, Adirond'k and Wht. Mts., G'land.
672. heterostichum *Br. Eu.*, No. and East. U. S., Br. Am.

Family VI. BARTRAMIEÆ.

97. BARTRAMIA *Hedw.*
673. subulata *B. & S.*, Col.
674. stricta *Brid.*, Pac. Coast.
675. Menziesii (*Hook.*), Pac. Coast.
676. Campylopus *Sch.*, Mex.
677. subithyphylla *Besch.*, Mex.
678. ithyphylloides *Sch.*, Mex.
679. Schimperi *C. M.*, Mex.
680. glauca *L.*, Mex.
681. ithyphylla *Brid.*, Alleg'y and Rky. Mts., Br. Am.

682. pomiformis *L.*, No. and East. U. S., Br. Am.
683. Halleriana *Hedw.*, No. Am.
684. Oederi *Gun.*, No. and East. U. S., Br. Am.

98. GLYPHOCARPA *R. Br.*
685. intertexta *Sch.*, Mex.

99. CONOSTOMUM *Sw.*
686. boreale *Dicks.*, Adirond'k and Alleg'y Mts.

100. BARTRAMIDULA *B. & S.*
687. Wilsoni *B. & S.*, N. J.

101. PHILONOTIS *Brid.*
688. Marchica *Brid.* (*B. Muhlenbergii Schwg.*), No. and East. U. S., Br. Am., Rky. Mts., Pac. Coast.
689. fontana *L.*, No. and East. U. S., Br. Am., Rky. Mts., Pac. Coast.
" var. falcata, Col., N. J., Wht. Mts.
690. radicalis *Beauv.*, Pa., O., So. Sts.
" var. Porteri *Aust.*, Pa., O., N. Y.
691. tenella *Hedw.*, Fla.
692. graminicola *C. M.*, Mex.
693. Mohriana *C. M.*, Mex.
694. Orizabana *Sch.*, Mex.
695. brachyclada *Besch.*, Mex.
696. erythrocaulis *C. M.*, Mex.
697. amblyoblaster *C. M.*, Mex.
698. Sartorii *C. M.*, Mex.

102. BREUTELIA *Sch.*
699. arcuata *Dicks.*, Mex.
700. subarcuata *Sch.*, Mex.
701. intermedia *Hpe.*, Mex.

Family VII. TIMMIEÆ.

103. TIMMIA *H.*
702. megapolitana *Hedw.* (*T. bavarica Hes.*), No. and East. U. S., Br. Am., Rky. Mts., Pac. Coast.
703. Austriaca *Hedw.*, Br. Am., Br. Columb., Col.

Tribe XV. POLYTRICHACEÆ.

Family I. POLYTRICHEÆ.

104. ATRICHUM *P. Beauv.*
704. undulatum *L.*, U. S., Br. Am.

705. angustatum *Brid.*, No. Am.
706. crispum *Jas.*, Mid. Sts., Br. Am.
707. parallelum *Mitt.*, Rky. Mts., Br. Am.
708. Selwyni *Aust.*, No. West. Coast, Br. Am.
709. Lescurii *Jas.*, Alaska.
710. polycarpum *Sch.*, Mex.
711. subulirostrum *Sch.*, Mex.
712. Mulleri *Sch.*, Mex.
713. torquescens *Sch.*, Mex.

105. OLIGOTRICHUM *D. C.*
714. Aligerum *Mitt.*, Rky. Mts.
715. Lyellii *Mitt.*, Pac. Coast, Rky. Mts.

106. PSILOPILUM *Brid.*
716. arcticum *Wahl.*, Arc. America.

107. POGONATUM *P. Beauv.*
717. tenue *Menz.* (*P. brevicaule Brid.*), East. and West. Sts., La.
718. brachyphyllum (*Mx.*) *Beauv.*, N. J. to So. Sts.
719. capillare *Mx.*, Br. Am., Rky. Mts.
" var. dentatum, Alaska.
720. contortum *Menz.*, Pac. Coast.
721. urnigerum *Brid.*, Wht., Adirond'k, Catskill, Alleg'y Mts., Col.
722. atrovirens *Mitt.* Alaska, Br. Am. and South'd.
723. alpinum *Brid.*, N. E. and Mid. Sts. to Col., Pac. Coast.
" var. septentrionale, Col.
724. cuspidatum *Besch.*, Mex.
725. Schmitzii *Besch.*, Mex.
726. Bescherellii *Hpe.*, Mex.
727. Tolucense *Hpe.*, Mex.
728. comosum *Sch.*, Mex.
729. campylocarpum *C. M.*, Mex.
730. subgracile *Hpe.*, Mex.
731. albovaginatum *Hpe.*, Mex.
732. Liebmanni *Sch.*, Mex.
733. leptocarpum *Besch.*, Mex.
734. glaciale *Mitt.*, Mex.
735. Schlumbergeri *Sch.*, Mex.
736. robustum *Sch.*, Mex.
737. ericifolium *Besch.*, Mex.
738. cylindricum *Sch.*, Mex.
739. macropogon *Sch.*, Mex.

108. POLYTRICHUM *L.*
740. gracile *Menz.*, O., Br. Am., Col.

741. formosum *Hedw.*, East. U. S., Br. Am.
742. piliferum *Schreb.*, N.Y., N. J., O., Br. Am., Col., Pac. Coast.
" var. lævipilum, Col., Pac. Coast.
743. juniperinum *Hedw.*, U. S., Br. Am.
" var. alpinum, Rky. Mts.
" " strictum, N. Y., N. J.
744. commune *L.*, U. S., Br. Am.
745. juniperiforme *Sch.*, Mex.
746. Ghiesbrechtii *Besch.*, Mex.
747. subflexuosum *Ltz.*, Mex.
748. Sartorii *C. M.*, Mex.
749. aristatum *Sch.* Mex.

(To follow sp. 749, page 31.)

Tribe XVI. BUXBAUMIACEÆ.

Family I. DIPHYSCIEÆ.

108a. DIPHYSCIUM *Mohr.*
749a. foliosum *Buxb.*, East., Mid. and West. Sts., Br. Am.

108b. BUXBAUMIA *Hall.*
749b. aphylla *Hall.*, East., Mid. and West. Sts., Br. Am., Pac. Coast.

750. Novæ-Angliæ *Sull.*, N. E. and Mid. Sts. and West'd, Br. Am.
751. biformis *Sull.*, Ohio.
752. Lescurii *Sull.*, Can., N. E., Fla.
" var. cymbifolia, N. J., Va.
" " ramosior, N. H., Vt.
753. Sullivanti *Lindbg.* (*F. Lescurii Sull., var. gracilescens Sull. Icon.*), N. J.
754. filiformis *S. & L.*, (*F. disticha H. & W., var. tenuior S, Icon.*), Kentucky.
755. Dalecarlica *Br. Eu.*, N. E. and Mid. Sts. and West'd, Br. Am.
756. Neo-Mexicana *S. & L.*, N. Mex., Rky. Mts., Col., Pac. Coast.
757. antipyretica *L.*, Br. Am., Pac. Coast.
" var. gigantea, N. E. and Mid. Sts. and West'd.
758. disticha *H. & W.*, N. E. and Mid. Sts., Ky., Ala., La.
759. hypnoides *Hartm.*, Br. Am., Col.

110. DICHELYMA *Myrin.*
760. capillaceum *Dill.*, N. Y., Can., N. Scotia, Pa., Col.
761. falcatum *Myrin.*, Catskill Mts., N. E., Br. Am.
762. pallescens *Br. Eu.*, N. Y., N. E., N. Bruns'k, Br. Am.
763. *subulatum *Myrin.*, La.
764. uncinatum *Mitt.*, Pac. Coast.
765. *cylindrocarpum *Aust.*, Oregon.

705. angustatum *Brid.*, No. Am.
706. crispum *Jas.*, Mid. Sts., Br. Am.
707. parallelum *Mitt.*, Rky. Mts., Br. Am.
708. Selwyni *Aust.*, No. West. Coast, Br. Am.
709. Lescurii *Jas.*, Alaska.
710. polycarpum *Sch.*, Mex.
711. subulirostrum *Sch.*, Mex.
712. Mulleri *Sch.*, Mex.
713. torquescens *Sch.*, Mex.

105. OLIGOTRICHUM *D. C.*
714. Aligerum *Mitt.*, Rky. Mts.
715. Lyellii *Mitt.*

[illegible] Allegany Mts., Col.
722. atrovirens *Mitt.* Alaska, Br. Am. and South'd.
723. alpinum *Brid.*, N. E. and Mid. Sts. to Col., Pac. Coast.
" var. septentrionale, Col.
724. cuspidatum *Besch.*, Mex.
725. Schmitzii *Besch.*, Mex.
726. Bescherellii *Hpe.*, Mex.
727. Tolucense *Hpe.*, Mex.
728. comosum *Sch.*, Mex.
729. campylocarpum *C. M.*, Mex.
730. subgracile *Hpe.*, Mex.
731. albovaginatum *Hpe.*, Mex.
732. Liebmanni *Sch.*, Mex.
733. leptocarpum *Besch.*, Mex.
734. glaciale *Mitt.*, Mex.
735. Schlumbergeri *Sch.*, Mex.
736. robustum *Sch.*, Mex.
737. ericifolium *Besch.*, Mex.
738. cylindricum *Sch.*, Mex.
739. macropogon *Sch.*, Mex.

108. POLYTRICHUM *L.*
740. gracile *Menz.*, O., Br. Am., Col.

741. formosum *Hedw.*, East. U. S., Br. Am.
742. piliferum *Schreb.*, N.Y., N. J., O., Br. Am., Col., Pac. Coast.
" var. lævipilum, Col., Pac. Coast.
743. juniperinum *Hedw.*, U. S., Br. Am.
" var. alpinum, Rky. Mts.
" " strictum, N. Y., N. J.
744. commune *L.*, U. S., Br. Am.
745. juniperiforme *Sch.*, Mex.
746. Ghiesbrechtii *Besch.*, Mex.
747. subflexuosum *Ltz.*, Mex.
748. Sartorii *C. M.*, Mex.
749. aristatum *Sch.*, Mex.

Series II. PLEUROCARPÆ.

Tribe I. FONTINALACEÆ.

Family I. FONTINALEÆ.

199. FONTINALIS *Dill.*
750. Novæ-Angliæ *Sull.*, N. E. and Mid. Sts. and West'd, Br. Am.
751. biformis *Sull.*, Ohio.
752. Lescurii *Sull.*, Can., N. E., Fla.
" var. cymbifolia, N. J., Va.
" " ramosior, N. H., Vt.
753. Sullivanti *Lindbg.* (*F. Lescurii Sull., var. gracilescens Sull. Icon.*), N. J.
754. filiformis *S. & L.*, (*F. disticha H. & W., var. tenuior S, Icon.*), Kentucky.
755. Dalecarlica *Br. Eu.*, N. E. and Mid. Sts. and West'd, Br. Am.
756. Neo-Mexicana *S. & L.*, N. Mex., Rky. Mts., Col., Pac. Coast.
757. antipyretica *L.*, Br. Am., Pac. Coast.
" var. gigantea, N. E. and Mid. Sts. and West'd.
758. disticha *H. & W.*, N. E. and Mid. Sts., Ky., Ala., La.
759. hypnoides *Hartm.*, Br. Am., Col.

110. DICHELYMA *Myrin.*
760. capillaceum *Dill.*, N. Y., Can., N. Scotia, Pa., Col.
761. falcatum *Myrin.*, Catskill Mts., N. E., Br. Am.
762. pallescens *Br. Eu.*, N. Y., N. E., N. Bruns'k, Br. Am.
763. *subulatum *Myrin.*, La.
764. uncinatum *Mitt.*, Pac. Coast.
765. *cylindrocarpum *Aust.*, Oregon.

Tribe II. NECKERACEÆ.

Family I. CRYPHÆEÆ.

111. CRYPHÆA *Mohr.*

766.	glomerata *Sch.*,	N. J., So. Sts.
	" var. pendula (*C. pendula L. & J.*),	Fla.
767.	nervosa *H. & W.*,	So. Sts.
768.	Ravenellii *Aust.*,	Ga.
769.	Schiedeana *C. M.*,	Mex.
770.	reticulata *Besch.*,	Mex.
771.	nitidula *Sch.*,	Mex.
772.	cuspidata *Sch.*,	Mex.
773.	leptophylla *Sch.*,	Mex.
774.	pinnata *Sch.*,	Mex.
775.	Orizabæ *Sch.*,	Mex.
776.	filiformis *Brid.*,	Mex.
777.	pachycarpa *Sch.*,	Mex.
778.	patens *Hornsch.*,	Mex.
779.	polycarpa *Sch.*,	Mex.
780.	Sartorii *Sch.*,	Mex.
781.	intermedia *C. M.*,	Mex.
782.	decurrens *C. M.*,	Mex.
783.	attenuata *Sch.*,	Mex.

112. ACROCRYPHÆA *Sch.*

784.	Mexicana *Sch.*,	Mex.

113. DENDROPOGON *Sch.*

785.	rufescens *Sch.*,	Mex.

Family II. LEPTODONTEÆ.

114. LEPTODON *Mohr.*

786.	trichomitrion *Mohr*,	No. and East. U. S., Br. Am.
	" var. immersus *S. & L.*,	O., So. Sts.
787.	Ohioensis *Sull.*,	O., Ind.
788.	nitidus *Lindbg.*,	Can.
789.	circinatus *Sull.*,	Cal.

115. ALSIA *Sull.*

790.	Californica *H. & A.*,	Pac. Coast.
791.	longipes *S. & L.*,	Pac. Coast.
792.	abietina (*Hook.*), *Sull.*,	Pac. Coast.

Family III. NECKEREÆ.

116. PHYLLOGONIUM *Brid.*
793. viride *Brid.*, Mex.

117. NECKERA *H.*
A. Capsule immersed.
794. pennata *Hedw.*, Atl. and West. Sts., Col., Mex.
795. oligocarpa *Br. Eu.*, N. E., N. Y., Col., N. Mex., Br. Am.
796. Menziesii *Hook.*, Pac. Coast.
797. Douglasii *Hook.*, Pac. Coast.
798. undulata *Hedw.*, Mex., Fla.
799. disticha *Hedw.*, Fla., Mex.
800. chlorocaulis *C. M.*, Mex.
801. Ehrenbergii *C. M.*, Mex.
802. Hornschuchiana *C. M.*, Mex.
803. angustifolia *C. M.*, Mex.
804. leptophylla *Sch.*, Mex.
805. Liebmanni *Sch.*, Mex.
806. pachycarpa *Sch.*, Mex.
807. Orbignyana *Ltz.*, Mex.
B. Capsule exserted.
808. complanata *Hedw.*, N. E., Pa., Tenn.
809. pumila *Hedw.*, N. Am.
810. urnigera *C. M.*, Mex.
811. orthorrhyncha *Besch.*, Mex.
812. microcarpa *Sch.*, Mex.
813. *Caloosiensis *Aust.*, Fla.

118. HOMALIA *Brid.* (*Omalia.*)
814. trichomanoides (*Schreb.*), N. E. and Mid. Sts., Br. Am.
815. gracilis *Jas.*, N. Y., N. J.
816. obtusata *Mitt.*, Br. Columb.
817. glabella *Brid.*, Mex.
818. Mohriana *C. M.*, Mex.
819. penduliramea *C. M.*, Mex.

Family IV. PILOTRICHEÆ.

119. PILOTRICHELLA *C. M.*
A. Orthostichella.
820. Ludoviciæ *C. M.*, Gulf Sts.
821. tetragona *C. M.*, Mex.
822. rigida *C. M.*, Mex.
823. cymbifolia (*Sull.*), Fla.

824. imbricata *Schwg.*, Mex.
825. pulchella *Sch.*, Mex.
826. Mexicana *Sch.*, Mex.
B. Eupilotrichella.
827. cochlearifolia *C. M.*, Mex.
" var. flagellifera, Mex.
828. turgescens *C. M.*, Mex.
829. nigricans *Nees*, Mex.
C. Papillaria.
830. capillaris *C. M.*, Mex.
831. Deppii *Hornsch.*, Mex.
832. consanguinea *Hpe.*, Mex.
833. Dubyana *Hpe.*, Mex.
834. subulifolia *Sch.*, Mex.
835. nigrescens *C. M.*, Mex.
836. imponderosa *Tayl.*, Mex.
837. longifolia *Sch.*, Mex.
838. illecebra *C. M.*, Mex.
839. teres *Mitt.*, Mex.
840. sinuata *C. M.*, Mex.
D. Meteoridium.
841. remotifolia *Hornsch.*, Mex.
842. salvatorica *Angst.*, Mex.

120. METEORIUM *Brid.*
843. pendulum *Sull.*, La., Mex.
844. nigrescens (*Swartz.*) Fla., Mex.
845. patulum *C. M.*, Mex.
846. tenue *Sch.*, Mex.
847. diversifolium *Besch.*, Mex.
848. diclados *Sch.*, Mex.
849. *Joorii *Aust.*, La.

121. CALLICOSTA *C. M.*
850. delicatula *Besch.*, Mex.

122. PTEROBRYUM *Hornsch.*
851. densum *Hornsch.*, Mex.

Family V. LEUCODONTEÆ.

123. LEUCODON *Schwg.*
852. julaceus (*Hedw.*) *Schwg.*, East. U. S.
853. brachypus *Brid.*, Mid. Sts., Can.
854. Domingensis *Spreng.*, Fla.

124. PTEROGONIUM *Swartz.*
855. gracile *Swartz*, Pac. Coast.
" var. duplicato-serratum *Hpe.*, Oregon.
856. brachypterum *Mitt.*, Br. Am.

125. ANTITRICHIA *Brid.*
857. curtipendula *Brid.*, Br. Am., Pac. Coast, N. C.
" var. gigantea, Br. Am., Pac. Coast.
858. Californica *Sull.*, Br. Am., Pac. Coast.

126. ASTRODONTIUM *Schwg.*
859. cryptotheca *Hpe.*, Mex.
860. curvirostre *Hpe.*, Mex.
861. tenue *Besch.*, Mex.
862. subemersum *Hpe.*, Mex.

127. PRINODON *C. M.*, Mex.
863. densus *C. M.*, Mex.

128. CRYPTOTHECA *Hornsch.*, Mex.
864. cochlearifolia *Hornsch.*, Mex.

Tribe III. DALTONIACEÆ.

Family I. DALTONIEÆ.

129. DALTONIA *H. & T.*
865. splachnoides *H. & T.*, Mex.
866. crispata *Hornsch.*, Mex.

130. LEPIDOPILUM *Brid.*
867. Deppeanum *C. M.*, Mex.
868. subenerve *Brid.*, Mex.
869. Decaisnei *Besch.*, Mex.
870. nitidum *Besch.*, Mex.
871. apophysatum *Hpe.*, Mex.
872. piliferum *Besch.*, Mex.
873. Mohrianum *C. M.*, Mex.
874. genuflexum *C. M.*, Mex.
875. falcatulum *C. M.*, Mex.

131. HOOKERIA *Tayl.*
876. acutifolia *Hook.*, O., Alleg'y Mts., N. C., Cal.
877. varians *Sull.*, Fla.
878. albicans *Hook.*, Mex.
879. Liebmanni *Sch.*, Mex.
880. cruceana *Duby*, Mex., Fla.

881. scabriseta *Hook.*, Mex.
882. ciliata *Sch.*, Mex.

Tribe IV. FABRONIACEÆ.

Family I. FABRONIEÆ.

132. FABRONIA *Raddi.*
883. Wrightii *Sull.*, Tex., Col.
884. pusilla *Raddi.*, S. Car., Pac. Coast.
885. Ravenelii *Sull.*, S. Car.
886. gymnostoma *S. & L.*, N. Mex., Tex., Ill.
887. Carolina *S. & L.*, S. Car.
888. Donnellii *Aust.*, Fla.
889. octoblepharis (*Sch.*), N. J., Ind.
890. Hampeana *Sond.*, Mex.
891. polycarpa *Hook.* (*F. flavinervis C. M.*), Mex.
" var. patens, Mex.
892. flavinervis *C. M.*, Mex.

133. CLASMATODON *H. & W.*
893. parvulus (*Hpe.*) *H. & W.*, So. Sts., Ind., Ill.
" var. rupestris, N. J., So. Sts.

134. ANACAMPTODON *Brid.*
894. splachnoides *Brid.*, Can. to Gulf Sts.

Family II. MYRINIEÆ.

135. MYRINIA *Sch.*
895. pulvinata *B. & S.*, Can., Br. Columb.

Tribe V. LESKEACEÆ.

Family I. RHEGMATODONTEÆ.

136. RHEGMATODON *Brid.*
896. filiformis *Sch.*, Mex.
897. hypnoides *Sch.*, Mex.
898. fusco-luteus *Sch.*, Mex.

Family II. LESKEEÆ.

137. MYURELLA *Sch.*
899. Careyana *Sull.*, N. E. and Mid. Sts., Can.

900.	julacea *Villars*,	N. Y., N. J., Can., Rky. Mts.
901.	apiculata *Hub.*,	Br. Am.
138.	LESKEA *Hedw.*	
902.	denticulata *Sull.*,	East., Mid. and West. Sts., Ala., La.
903.	Austini *Sull.*,	Pa., N. J., Ill.
904.	polycarpa *Ehr.*,	U. S., Br. Am.
905.	obscura *Hedw.*,	U. S., Br. Am.
906.	nervosa *Myrin.*,	N. Y., Wht. Mts., Br. Am., Col.
907.	*microcarpa *Sch.*,	Ala.
908.	circinalis *Hpe.*,	Mex.
909.	Mexicana *Besch.*,	Mex.
910.	cæspitosa *Brid.*,	Mex.
911.	*Wollei *Aust.*,	N. Y. and West'd.
139.	THELIA *Sull.*	
912.	hirtella *Hedw.*,	East. U. S.
913.	asprella (*Sch.*),	East. U. S.
914.	Lescurii *Sull.*,	N. J., Pa., So. Sts.
915.	*robusta *Duby*,	Fla.
140.	ANOMODON *H. & T.*,	
916.	rostratus (*H.*) *Sch.*,	East. Mid. and West. Sts., Br. Am.
917.	tristis *H. & T.*,	Throughout U. S.
918.	attenuatus *Hartm.*,	East. Mid. and West. Sts., Br. Am.
919.	obtusifolius *Br. Eu.*,	East. Mid. and West. Sts., Br. Am.
	" var. fragilis,	N. J., Pa.
920.	apiculatus *B. & S.*,	East., Mid. and West. Sts., Br. Am.
921.	viticulosus (*L.*) *H. & T.*	East., Mid. and West. Sts., Br. Am.
922.	Toccoæ *S. & L.*,	Ga., La.
923.	Californicus *Lx.*,	Cal.
141.	HELICODONTIUM *Schwg.*,	
924.	tenuirostre *Schwg.*,	Mex.
142.	HAPLOHYMENIUM *Dz. & Molk.*	
925.	densum *Sch.*,	Mex.

Family III. PSEUDOLESKEÆ.

143.	PSEUDOLESKEA *B. & S.*	
926.	atrovirens *Dicks.*,	N. E., Br. Am.
	" var. brachyclados,	Col.
927.	tectorum *Braun*, (*Hyp. dimorphum Brid.*),	Wht. Mts.
928.	prælonga *Sch.*,	Mex.
929.	subcatenulata *Sch.*,	Mex.

Family IV. THUIDIEÆ.

144. HETEROCLADIUM *Br. Eu.*,
930. heteropterum *B. & S.*, Br. Am.
931. procurrens *Mitt.*, Br. Am.

145. THUIDIUM *Sch.*,
932. pygmæum *Br. Eu.*, Mid. Sts., O.
933. minutulum *Hedw.*, Atl. Sts. and West'd, Gulf Sts., Mex.
934. Alleni *Aust.*, N. J.
935. gracile *B. & S.*, West. N. Y., Pa. to Br. Am.
" var. Lancastriense N. Y., N. J., Pa., O.
" " Ravenellii, S. Car., Gulf Sts.
936. æstivale *Aust.*, N. E., Mid. Sts.
937. delicatulum *Hedw.* (*tamariscinum*), Br. Am. to Fla., Mex.
" var. Mexicanum, Mex.
938. recognitum *Hedw.* (*delicatulum of Am. authors.*), N. J., Pa. to Br. Am.
939. calyptratum *Sull.*, Cal.
940. Whippleanum *Sull.*, Cal.
941. remotifolium *Grev.*, No. West. Am.
942. crispifolium *Hook.*, Br. Am.
943. leuconeuron *S. & L.*, Cal.
944. abietinum (*L.*), No. and East. U. S., Br. Am.
945. Blandowii *W. & M.*, No. and East. U. S., Col., Pac.
946. paludosum (*Sull.*), No. and East. U. S., Col.
947. Virginianum *Sch.*, Mex.
948. glaucescens *Sch.*, Mex.
949. Schiedeanum *C. M.*, Mex.
950. Schlumbergeri *Sch.*, Mex.
951. tomentosum *Sch.*, Mex.

146. RAUIA *Aust.*
952. scita *Aust.* (*Hypnum scitum Beauv.*), N. J., O.

Tribe VI. HYPNACEÆ.

Family I. PTRIGYNANDREÆ.

147. PTERIGYNANDRUM *Hedw.*
953. filiforme *Hedw.*, N. E., Mid. Sts., Br. Am., Pac.
954. Domingense *Spreng.*, Mex.

Family II. ORTHOTHECIEÆ.

148. PLATYGRIUM *B. & S.*
955. repens *Br. Eu.*, No. and East. U. S., Br. Am.

149. PYLAISIA *Sch.*

956.	intricata (*H.*) *Sch.*,	No. and East. U. S., Col., Br. Am
957.	velutina *Br. Eu.*,	N. J. to Can.
958.	*heteromalla *Mitt.*,	Br. Am.
959.	polyantha (*Schreb.*),	Col., Br. Am.
	" var. Jamesii (*S. & L.*),	N. E.
	" " subdenticulata (*Sch.*),	N. J. to O.
960.	falcata *Sch.*,	Mex.
961.	subfalcata *Sch.*,	Mex.

Family III. LINDIGIEÆ.

150. LINDIGIA *Hpe.*

962.	tenella *Hpe.*,	Mex.

Family IV. CYLINDROTHECIEÆ.

151. CYLINDROTHECIUM *Sch.*

963.	sedutrix (*Hedw.*),	East. U. S., Gulf Sts., East. Br. Am.
964.	cladorrhizans *Hedw.*,	East. U. S., Gulf Sts.
965.	brevisetum (*Wils.*) *Br. Eu.*,	N. J. to Mo., Can.
966.	compressum (*Hedw.*),	Pa. to Mo.
967.	Sullivantii (*C. M.*),	Tex., N. Car.
968.	Drummondii *Br. Eu.*,	So. Sts.
969.	concinnum (*D. N.*),	Col.
970.	polycarpum *Sch.*,	Mex.
971.	brevirostre *Sch.*,	Mex.
972.	abbreviatum *Sch.*,	Mex.
973.	brevipes *Sch.*,	Mex.
974.	stenocarpum *Sch.*,	Mex.
975.	complanatum *Sch.*,	Mex.
976.	Orizabanum *Sch.*,	Mex.
977.	nitens *Sch.*,	Mex.
978.	subsecundum *Sch.*,	Mex.
979.	aurescens *Sch.*,	Mex.
980.	Mechoacanum *C. M.*,	Mex.
981.	neglectum *C. M.*,	Mex.
982.	distans *C. M.*,	Mex.
983.	cochleatus *C. M.*,	Mex.

152. ROZEA *Besch.*

984.	chrysea *Besch.*,	Mex.
985.	Bourgæana *Besch.*,	Mex.

986. subjulacea *Besch.*, Mex.
987. viridis *Besch.*, Mex.
988. Schimperi *Besch.*, Mex.
989. stricta *Besch.*, Mex.
990. Andrieuxii *Besch.*, Mex.

153. LEPTOHYMENIUM *Schwg.*
991. myuroides *Sch.*, Mex.
992. longisetum *Hpe.*, Mex.
993. cylindrocaule *Hpe.*, Mex.
994. affine *Sch.*, Mex.
995. julaceum *Sch.*, Mex.
996. Bonplandi *Besch.*, Mex.
997. patulum (*L.?*) *Sch.*, Mex.

154. POROTRICHUM *Brid.*
998. Mexicanum *Sch.*, Mex.

155. CLIMACIUM *W. & M.*
999. dendroides (*D.*) *W. & M.*, N. Y., N. J., Br. Am.
1000. Americanum *Brid.*, U. S., Br. Am.
" var. fluitans, Mid. Sts.
1001. Ruthenicum (*C.?*) *Wein.*, Alaska.

156. ISOTHECIUM *Brid.*
1002. stoloniferum *Hook.*,
" var. speculiferum *Mitt.*, Br. Am.
" " acuticuspis *Mitt.*, Pac. Coast.
1003. *Breverianum *Lx.*, Pac. Coast.
1004. *aggregatum *Mitt.*, Pac. Coast.
1005. *aplocladum *Mitt.*, Pac. Coast.
1006. *lentum *Mitt.*, Pac. Coast, Col.

157. ORTHOTHECIUM *Sch.*
1007. rufescens (*Dicks.*), Arc. regions.
1008. chryseum (*Schwg.*), Br. Am., Col.
1009. rubellum (*Mitt.*), Rky. Mts., Arc. regions.

158. HOMALOTHECIUM *Sch.*
1010. subcapillatum (*Hedw.*), East. U. S.
1011. pseudosericeum *C. M.*, Oregon.

Family V. CAMPTOTHECIEÆ.

159. CAMPTOTHECIUM *Sch.*
1012. æneum *Mitt.*, Br. Columb.

1013. nitens (*Schreb.*), No. and Mid. Sts., Br. Am., Col
1014. pinnatifidum *S. & L.*, Pac. Coast.
1015. megaptilum *S. & L.*, Oregon.
1016. lutescens *Hedw.*, Pac. Coast.
1017. Nuttallii *Wils.*, Pac. Coast.
" var. stoloniferum, Pac. Coast.
1018. arenarium *Lx.*, Pac. Coast.
1019. Nevadense *Lx.*, Pac. Coast.

160. PTYCHODIUM *Sch.*
1020. radicosum *Mitt.*, Br. Am.

161. BRACHYTHECIUM *Sch.*
A. pedicel smooth.
1021. lætum *Brid.*, U. S., Br. Am.
1022. albicans *Neck*, Br. Am., Columb.
1023. acuminatum (*Beauv.*), N. E., Mid. and West. Sts., Br. Am.
" var. rupinicolum, O., Rky. Mts.
" " setosum (*L. setosa Hedw.*), East. U. S.
1024. salebrosum (*Hoffm.*), U. S., Br. Am.
" var. Texanum, Texas.
1025. acutum *Mitt.*, N. E. and Mid. Sts., O., Can., Br. Columb.
1026. Utahense *Jas.*, Utah, Col.
1027. Hilebrandi *Lx.*, Cal.
1028. collinum *Schl.*, Br. Am., Col., Cal.
B. pedicel rough.
1029. campestre (*Bruch*), N. Bruns'k to Mid. Sts.
1030. rutabulum (*L.*), East. and No. U. S., Br. Am.
1031. rivulare (*Bruch*), East. and No. U. S., Br. Am.
1032. Starkii (*Brid.*), East. and No. U. S., Br. Am.
1033. velutinum (*L.*), East. and No. U. S., Br. Am., Col.
1034. plumosum (*Swartz*), East. and No. U. S., Br. Am., Col.
" var. populeum (*H. populeum Hedw.*), N. E. to O., Sierra Nev. Mts.
" " homomallum, N. C.
1035. Novæ Angliæ *S. & L.*, N. E. to Ill. and So'd.
" var. rupestre, Mid. Sts.
1036. reflexum *Br. Eu.*, N. E. to Pa., Can.
" var. micropus *Aust.* (*B. micropus Sch.*), Owen Sd.
1037. Fendleri *Sull.*, N. Mex., Col.
1038. asperrimum *Mitt.*, Br. Am., Pac.
1039. *declivum *Mitt.*, Br. Am., Pac.
C. subgenus uncertain.
1040. Bolanderi *Lx.*, Cal.
1041. biventorsum *C. M.*, La., Fla.
1042. *œdipodium *Mitt.*, Br. Am.

1043. frigidum *C. M.*, Mex.
1044. Donnellii *Aust.*, Fla.
1045. flexiventrosum *C, M.*, Mex.
1046. cladoneuron *C. M.*, Mex.
1047. comatifolium *C. M.*, Mex.
1048. brunneo-alare *C. M.*, Mex.

162. SCLEROPODIUM *Sch.*
1049. illecebrum *Schwg.*, Cal.
1050. cæspitosum *Wils.*, Br. Am., Cal.
1051. Californicum *Lx.*, Cal.

163. EURYNCHIUM *Sch.*,
A. pedicel smooth.
1052. myosuroides *L.*, Pacific.
1053. Boscii *Schwg.*, N. E., Mid. and West. Sts.
1054. strigosum (*Hoffm.*), N. E., Mid. and West. Sts., Br. Am., Pac.
1055. *diversifolium (*Sch.*), N. E., Mid. and West. Sts., Br. Am., Pac.
1056. Mexicanum *Besch*, Mex.
B. pedicel rough.
1057. Sullivantii (*R. Spruce*), N. E., Mid. and West. Sts., Can.
1058. hians (*Hedw.*), N. E., Mid., West. and Gulf Sts., Br. Am.
1059. piliferum (*Schreb.*), N. E. to Pa., and O., Br. Am.
1060. Stokesii (*Turn.*), N. E., Br. Am., Pac. Coast.
1061. colophyllum *Sull.*, Cal.
1062. Oreganum *Sull.*, Br. Am., Pac. Coast.
1063. *velutinoides (*Br.*), Palisaides.
1064. pumilum *Wils.* (*Hyp. tenellum*), Wht. Mts., Heldbg. Mts., Del. Water Gap.

164. RHYNCHOSTEGIUM *Sch.*
1065. deplanatum (*Sch.*), No. and East. U. S., Br. Am.
1066. serrulatum (*Hedw.*), No. and East. U. S., Br. Am.
1067. rusciforme (*Weis*), No. and East. U. S., Br. Am., Pac. Coast.
1068. subrusciforme *C. M.*, Mex.
1069. expallescens *C.* M., Mex.
1070. leptomerocarpum *C. M.*, Mex.
1071. demissum *Wils.*, N. Mid. and West. Sts.
" var. Marylandicum, N. E. and So. Sts., and Mts.
" " Carolinianum. Ga., N. and S. Car.
1072. microcarpum *C. M.*, O., Mid. and So. Sts., Br. Am.
" var. anisocarpem (*H. adimistum*), N. J. to Fla., O.
1073. recurvans *Schwg.* (*R. delicatulum Jas.*), N. E., Mid. and West. Sts., Br. Am., Mex.
1074. cylindrocarpum *C. M.*, Br. Am., N. J. to O., and So. along Alleg'y Mts. to Ga.

1075. geophilum *Aus.* (*H. depressum Jas.*), Mid. Sts., O.
1076. pallescens var. protruberans (*R. Jamesii Sull.*), N. H.
1077. scitulum *Aust.*, Arc. Am.
1078. Royæ *Aust.*, Cal.
1079. Brandegei *Aust.*, Col.
1080. Novæ-Cæsareæ *Aust.* (*H. micans* (*Wils.*) *non Swartz*), Alleg'y Mts.
1081. Hampei *Besch.*, Mex.
1082. cupressinum *Besch.*, Mex.
1083. callistomum *Besch.*, Mex.
1084. Huitomalconum *C. M.*, Mex.
1085. Blandum *Hpe.*, Mex.
1086. leptomerocarpum *C. M.*, Mex.
1087. micans (*Swartz*) *Sull.*, N. E. to Fla. and La.
" var. albulum (*H. fulvum H. & W.*), So. U. S.

165. THAMNIUM *Br. Eu.*
1088. Alleghaniense *C. M.*, East. and West. U. S., Br. Am.
1089. Bigelowii *Sull.*, Pac. Coast.
1090. *alopecurum (*L.*), Pac. Coast.
1091. *Neckeroides *Hook.*, Pac. Coast.

Family VI. HYPNEÆ.

166. PLAGIOTHECIUM *Br. Eu.*
1092. piliferum *Swz.*, Br. Am.
1093. latebricola (*Wils.*), N. Y., N. J.
1094. *geminus *Mitt.*, Br. Am., Rky. Mts.
1095. elegans (*Hook.*), Mid. Sts., Br. Am., Vanc'r I.
" var. terrestris, N. J.
" " gracilis, N. J.
" " subfalcatum, Alleg'y Mts., N. E. to N. Car., O.
1096. Mullerianum *Sch.*, N. E. and Mid. Sts.
1097. Passaicense *Aust.*, N. J., Can.
1098. pulchellum (*Dicks.*), N. E., N. Y., Br. Am., Pac.
" var. nitidulum, N. E., N. Y., Br. Am., Col.
1099. turfaceum *Lindbg.*, N. J. to Can., O., Pac.
1100. striatellum *Brid.* (*Muhlenbeckii Br. Eu.*), N. E., Mid. Sts., Br. Am.
" var. chrsyophylloides, N. J.
1101. denticulatum (*Dill.*), U. S., Br. Am.
" var. pusillum, N. Y., N. J.
" " lætum, N. E. and Mid. Sts., Col.
1102. sylvaticum *L.*, N. E., Mid. and West. Sts., Br. Am.
" var. Sullivantiæ (*Sch.*), N. E., Mid. and West. Sts., Br. Am.
" " Roseanum (*Hpe.*), N. J.

1103. undulatum, (*L.*), Pac. Coast.
1104. Donianus *Sw.*, Br. Columb., Wash. Ter.
1105. Chrismari *C. M.*, Mex.
1106. subsimplex *Hedw.*, Mex.
1107. psudo-Silesiacum *Sch.*, Mo.

167. AMBLYSTEGIUM *Br. Eu.*
1108. Sprucei (*Bruch*), Col., Br. Am.
1109. confervoides (*Brid.*), N. J. to O., Col., Br. Am.
1110. subtile *Hedw.*, N. E., N. J., Col., Br. Am.
1111. adnatum (*Hedw.*), N. E., Mid. and West. Sts., Col., Br. Am.
" var. subserratum, Ohio.
1112. Lescurii *Sull.*, Vt., Mid. Sts., Geo.
1113. compactum *C. M.*, N. Y., O., Br. Am., Col. Pac. Coast.
1114. serpens (*L.*), Common.
" var. minutissimum (*S. & L.*), Pa., O., Col., Br. Am.
" " tenellum, Ohio.
" " irriguum (*H. & W.*), N. E., Mid., West. and So. Sts.
" " noterophilum, N. E., Mid. and West. Sts., Rky. Mts., Br. Am.
" " longifolium, O., Fla.
" " radicale (*Beauv.*), N. E., Mid., West. and So. Sts., Br. Am., Pac. Coast.
" " " subjulaceum, N. J.
" " " parvulum, N. J.
" " orthocladon (*Beauv.*), U. S., Br. Am.
" " brevifolium (*A. oligorrhizon Gumb.*), U. S., Br. Am.
" " fontanum, N. J., Pa.
" " chrysophylloides (*A. curvipes Br. Eu.*), N. E. and Mid. Sts.
" " Juratzkanum (*Sch.*), Pa.
" " fluviatile (*Swartz*), Mid. Sts., Can.
1115. riparium (*L.*), U. S., Br. Am., G'land.
" var. cariosum, No. and East. U. S., and West'd.
" " vacillans (*Sull.*), Wht. Mts., Can.
1116. sordidum *Mitt.*, Mex.

168. HYPNUM *Dill.*
A. Campylophyllum Br. Eu.
1117. Halleri (*L.*), Br. Am.
B. Campylium Sull.
1118. hispidulum *Brid.*, U. S., Br. Am.
" var. Sommerfeltii (*Myrin.*), N. E., Br. Am., Mex.
1119. Bergenense *Aust.*, N. E. to Fla.
1120. chrysophyllum *Brid.*, N. E., Mid. and West. Sts., Br. Am.
" var. cæspitosum, Appalachian.

chrysophyllum var. rupestre, Appalachian.
" " stelloides, Appalachian.
" " uncinifolium, Appalachian.
1121. stellatum *Schreb.*, N. E., Mid. and West. Sts., Br. Am.
" var. protensum, Mid. Sts., Br. Am.
1122. polygamum (*Sch.*), N. Y., N. J.

C. Harpidium Sull.

1123. aduncum *Hedw.*, East., Mid. and West. Sts., Pac. Coast.
" var. Kneiffi, Appalachian, Br. Am., Rky. Mts.
" " polycarpum, Col.
" " gracilescens, U. S.
" " giganteum, N. E., N. J., Minn.
" " tenue, Col.
1124. vernicosum *Lindbg.*, N. Y., N. J., Br. Am.
1125. exannulatum *Gumb.*, N. Bruns'k, Can., Mid. Sts., Rky. Mts.
1126. fluitans (*L.*), East., Mid. and West. Sts., Col., Br. Am.
1127. uncinatum *Hedw.*, East., Mid. and West. Sts., Pac. Coast, Br. Am., G'land.
1128. Jamesii *Aust.*, Wht. Mts.
1129. hamifolium *Sch.*, Conn.
1130. Sendtneri *Sch.*, N. Y., Can., O.
1131. subpungens *C. M.*, Mex.

D. Cratoneuron Sull.

1132. filicinum *L.*, N. E., Mid. and West. Sts., Br. Am.
1133. commutatum *Hedw.*, N. Y., Can., Col.
" var. falcatum, Rky. Mts.

E. Rhytidium Sull.

1134. rugosum *Ehr.*, N. E., Mid. and West. Sts., Br. Am.
1135. robustum *Hook.*, Pac. Coast.

F. Calliergon.

1136. cordifolium *Hedw.*, U. S., Br. Am., G'land.
1137. giganteum *Sch.*, N. Y., O., Wis., Col., Br. Am., Pac. Coast.
1138. cuspidatum *L.*, U. S., Br. Am.
1139. Schreberi *Willd.*, U. S., Br. Am., G'land.
1140. stramineum *Dicks.*, Throughout Br. Am., and in Mts. So. G'land.
1141. sarmentosum *Wahl.*, N. E., G'land.
1142. trifarium *W. & M.*, Br. Am., O.
1143. Richardsoni *Mitt.*, Br. Am., G'land.

G. Hypnum.

1144. molluscum *Hedw.*, N. E., Mid. and West. Sts., Br. Am., Col.
1145. Vaucheri *Lx.*, Br. Am.
1146. cupressiforme *L.*, Appalachian, Col.
" var. filiforme, Col.
" " resupinatum, N. J.

1147. imponens *Hedw.*, N. E., Mid. and West. Sts., Br. Am.
1148. subimponens *Lx.*, (*S. plumifer Mitt.*), * Pac. Coast.
1149. pallescens (*Hedw.*) *Br.* (*H. reptile Mx.*), U. S., Br. Am.
" var. protruberans (*Brid.*) *Lindbg.* (*R. Jamesii Sull. Icon.*), (*H. hamulosum S. & L.*), (*H. pallescens* Musci Appalach.), (*H. depressulum C. M.*), U. S., Br. Am.
" " viride *Aust.*, N. E., Pa., Can.
1150. ıertile *Sendt.*, No. Sts., Br. Am., Col., Br. Columb.
1151. curvifolium *Hedw.*, N. E., Mid. and West. Sts., Br. Am.
" var. australe *Aust.*, N. J., So. Sts.
1152. Haldanianum *Grev.*, N. E., Mid. and West. Sts., Br. Am.
1153. nemorosum *Koch*, Pa., Va., No. and So. Car.
1154. pratense *Koch.*, N. E., Mid. and West. Sts., Br. Am.
1155. circinale *Hook.*, Br. Am., Pac. Coast.
1156. *circulare *Hook.*, Arc. regions.
1157. *complexum *Mitt.*, Br. Am.
1158. Wrightii *Sull.*, Tex., N. Mex., Fla.
1159. plicatile *Mitt.* (*H. Watsoni L. & J.*), Col., Utah, Br. Am., Arc. reg.

H. Scorpidium Br. Eu.

1160. scorpioïdes *Dill.*, O., Br. Am.

I. Ptilium Sull.(*Ctenium Br. Eu.*).

1161. Crista-castrensis *L.*, No. and East. U. S., Br. Am.

J. Limnobium Br. Eu.

1162. obtusifolium *W. & M.*, Br. Am.
1163. palustre *L.*, N. J. to Can., Col.
1164. arcticum *Somf.*, Br. Am., Rky. Mts., Pac. Coast.
1165. molle *Dicks.*, N. Y., N. J., N. Car., Col., Br. Am.
1166. ochraceum *Br. Eu.*, No. and East. U. S., Col., Br. Am.
1167. alpestre *Swartz*, Br. Am.
1168. eugyrium *Sch.*, N. E., N. Y., Pa., Tenn., Col., Br. Am.
1169. montanum *Wils.*, Wht. Mts.
1170. Closteri *Aust.*, N. Y., N. J.

K. subgenus uncertain.

1171. Reichenbachii *Lorentz.*, Mex.
1172. occidentale *S. & L.*, Oregon.
1173. homalostegium *C. M.*, Ala.
1174. thelistegium *C. M.*, Fla., Mex.
1175. aluminicolum *C. M.*, Mex.
1176. affine *Hook.*, Mex.
1177. Mohrianum *C. M.*, Mex.
1178. LeJolisii *Besch.*, Mex.
1179. pendulinum *Hpe.*, Mex.
1180. Salleanum *Besch.*, Mex.
1181. duriusculum *Sch.*, Mex.
1182. planum *Brid.*, Fla.

1183. Caloosiensis *Aust.*, Fla.
1184. divaricatissimum *C. M.*, Mex.
1185. Miradericum *C. M.*, Mex.
1186. Cordovense *C. M.*, Mex.
1187. cæspitosum *Lev.*, Mex.
1188. Coloradense *Aust.*, Col.
1189. radiculosum *C. M.*, Mex.

169. OCOMIUM *Br. Eu.*, (*Pleurozium Sull.*)
splendens *Hedw.*, U. S., Br. Am.
1191. brevirostre *Ehr.*, U. S., Br. Am.
1192. triquetrum (*L.*), U. S., Br. Am.
1193. squarrosum *L.*, Me., N. H., N. Y., Pa.
1194. Oakesii *Sull.*, Through't Br. Am., Mts. N. E., N. Y., S. Car.
1195. umbratum *Ehr.*, Br. Am., Mts. N. E., N. Y., Pa.
1196. loreum *Dill.*, Pac. Coast.
1197. Ehrenbergianum *C. M.*, Mex.
1198. Flemingii *Aust.*, Vanc'r I.
1199. Alaskanum *S. & L.*, Alaska.

Family VII. HYPOPTERIGIACEÆ.

170. PLICOPHYLLUM *Brid.*
torquatum *Brid.*, Mex.

171. HYPOPTERIGIUM *Brid.*
1201. tamarisci *Brid.*
1202. pseudotamariscinum *C. M.*, Mex.
1203. incrassato-limbatum *C. M.*, Mex.

172. RHACOPILUM *Brid.*
1204. tomentosum *Brid.*, Mex., La.
" var. gracile, Mex.
1205. angustatum *Sch.*, Mex.

BRYINÆ ANOMALÆ.

Order I. HOLOCARPÆ.

Tribe I. ARCHIDIACEÆ.

173. ARCHIDIUM *Brid.*
1206. Ohioense *Sch.*, N. J. to O., S. Car., Ala., W. Fla.
1207. tenerrimum *Mitt.*, Fla.
1208. Donnellii *Aust.*, Md., Va., S. Car.

1209. Lescurii *Aust.* (*A. longifolium L. & J.*), Fla., Ala., La.
1210. Hallii *Aust.*, Tex.
1211. Ravenellii *Aust.*, S. Car., Fla.

Order II. SCHIZOCARPÆ.

Tribe. ANDRÆACEÆ.

174. ANDRÆA *Ehr.*
1212. turgescens *Sch.*, Mex.
1213. petrophila *Ehr.*, Alleg'y Mts., Br. Am.
1214. rupestris *Turn.*, Alleg'y Mts.
1215. crassinervia *Bruch*, Wht. Mts.

Order III. STEGOCARPÆ

Tribe. SPHAGNACEÆ.

175. SPHAGNUM *Dill.*
1216. Portoricense *Hpe.*, So. N. J. to Fla.
1217. Austini *Sull.*, Mass., N. J., Newfoundland.
1218. papillosum *Lindbg.*, N. J. to Can.
1219. cymbifolium *Ehr.*, Appalachian, Br. Am., Pac. Coast.
" var. pycnocladum, Appalachian.
" " squarrosulum, Appalachian.
" " condensatum, Appalachian.
1220. rigidum (*Nees.*), Pa. to Ala., Br. Am., Pac. Coast.
" var. compactum, East. U. S., Cal.
" " humile, N. J. to Fla., Ala.
" " laxum *Aust.*, Pa.
1221. molle *Sull.* (*S. Mulleri Sch.*), N J. to Fla. and Ala.
1222. tenellum *Ehr.* (*S. molluscum Bruch*), N. Y., N. J., N. Bruns'k.
1223. acutifolium *Ehr.*, Appalachian, Br. Am., Pac. Coast, G'land.
" var. tenellum, Col.
" " confertum, N. J., Ala.
" " purpureum, Appalachian.
" " intermedium, N. J., Can., N. Bruns'k.
" " rubellum, N. J., Can., N. Bruns'k.
" " fuscum, N. E., N. J., Can.
" " robustum, N. J.
1224. fimbriatum *Wils.*, Br. Am.
1225. strictum *Lindbg.* (*S. Girgensohni Rus.*), N. J., Pa., O., Can.
1226. teres *Angstr.*, N. J., Br. Columb.
1227. squarrosum *Pers.*, No. and Mid. Sts., and West'd, Ala., Br. Am., G'land.
" var. squarrosulum *Lx.*, Cal.

1228. Pylaesii *Brid.*, N. H., N. Y., N. J., Newfound'd, S. Car.
" var. sedoides, N. J., Newfound'd, S. Car.
1229. cyclophyllum *S. & L.*, N. Y., N. J., La., Ala.
1230. laricinum *Spruce*, (*S. neglectum Angs.*), N. J., O.
1231. subsecundum *N. & H.*, Atl. Sts., O., Br. Am., Cal.
" var. serratum (*S. serratum Aust.*), Fla.
" " subsimplex *Aust.*, Ala.
" " longifolium, Cal.
" " Lescurii, N. J., O., So. Sts.
" " obesum, N. J.
1232. Wulfianum *Girgh.*, N. Y., Can.
1233. cuspidatum *Ehr.*, Can., N. E. Sts. to La.
" var. laxifolium, N. J.
" " Torreyanum, N. J., Pa.
" " plumosum, Can. and N. E. to La.
" " parvum, N. J., N. Brnnsw'k, Can.
" " intermedium (*Hoffm.*) (*recurvans Bv.*), N. E. to La., Can., Mich., G'land.
" " Rauei *Aust.*, Pa.
1234. Mendocinum *S. & L.*, Cal.
1235. Lindbergii *Sch.*, N. Y., Br. Am., G'land.
1236. macrophyllum *Bern.*, So. N. J. to Fla., Ala., Miss.
" var. Floridanum *Aust.*, Fla
1237. Mexicanum *Mitt.*, Mex.

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Additions and Corrections.

Sp. 11, for Br. Eu., read Hedw.
" 12, add syn. (S. triquetrum Amer. authors).
" 13, for C. M. read Schreb.
" 15, to hab. add Pa.
" 24, omit.
" 26, add var. microtheca Aust., Va.
" 30, omit Va.
" 47, read tophaceum.
" 54, Breutelianum B. & S.
" 58, 1st var. omit Col.
" 58, 3d var. add syn. (W. Wolfii L. & J.)
" 70, to 1st var. add N. Y., N. E.
Gen. 19, read (Dicranum.)
Sp. 72, for Rich. read Michx.
Gen. 22, read Angstroemia.
Sp. 83, to hab. add N. E
" 103, for S. & L. read Sull.
" 108, for Sch. read Schwgr.
" 111, for Lind. read Lindbg.
" 128, for B. & S. read W. & S.
" 139, read Hellerianus.
After sp. 154 add sp. 154a, gracilicaulis Mitt. Fla.
Sp. 156 and 165 omit.
" 179, omit var.
" 182, add syn. (F. rupestris Wils.), Mid. Sts.
" 183, read Bourgaeanus.
" 188, read tristicha.
" 199, for Aust. read (Hedw.) Sch.
" 202, for tenue read lineare (Swartz.)
" 216, for Sch. read Brid.
" 222, 234 and 537, to hab. add Ill.
" 225, omit.
After sp. 261 add 261a, crispum Aust., Fla.
Sp. 293, read unguiculata.
" 299, to hab. add Br. Am.
" 315, read Orizabensis.
After sp. 329, add sp. 329a squarrosa Brid., Tenn.
Sp. 338 and 364, for Ktz. read Kze.
" 355, for B. & L. read B. & S.
" 357, read plagiopodia.
" 373, for Col. read Pac. Coast.
" 376, for Mid. Sts. read Maine.
" 383, to hab. add Br. Am.
" 384, read lanuginosum.
" 396, read Andrieuxii.
" 421, read Leiboldtii.
" 444, for Hornsch. read Bruch.
" 449, last var. omit Lake Ont.
" 454, to hab. add Canada.
Page 23, sp. Nos. read 518 and 519.
Gen. 70, for Schrad. read Schreb.
Sp. 491, for Cal. read Col.
" 495, read Selwynii.
Gen. 73, for Mohr. read Dicks.
Sp. 499, for Froel. read Hedw.
" 503, for (B. & S.) read (Hedw.)
" 507, for B. & S. read (L.). Add Wht. Mts.
" 509, for Hornsch. read Hornem.
" 518, omit Fla.
After sp. 522 add 522a, latifolium Brid., Col.
Gen. 82, read Entosthodon Schwg.
Sp. 529, for Wohl. read Wahl.
" 532, read flavescens.
Gen. 84, read Mielichhoferia.
" 583, for hab. read N. J. to Fla.
" 624, read Didymodontium.
" 663, for Brid. read (Hedw.)
" 681, to hab. add G'land.
After sp. 684, add 684a, Mohriana C. M., La.
Gen. 99, for Sw. read Swartz.
Sp. 686, for Alleg'y read Wht.
After sp. 687, add 687a, Mexicana Sch., Mex.
After sp. 698, add 698a *calcarea B. & S., N. E., Br. Am., N. C., Col. 698b, Schlumbergeri Sch., Mex.
Gen. 103, for H. read Hedw.
Sp. 714, read aligerum.
" 719, for Mx., read Michx. Add Wht. Mts.
Gen. 108, for L. read Dill.
Sp. 752, for Fla. read to Ala.
" 756, to hab. add Mex.
After sp. 759 add Family II., Dichelymeæ.
Sp. 766, to hab. add Conn.
" 786, to hab. add Ala., La.
" 787, read Ohioense.
Gen. 117, for H. read Hedw.
Sp. 811, read orthorflyncha.
Gen. 127, read Prionodon.
Sp. 889, for (Sch.) read (Schleich.)
" 914, to hab. add Conn.
" 934, for N. J. read Conn.
" 944, to hab. add Col.
After sp. 951, add 951a, orthocarpum Besch., Mex.
Sp. 967, for Tex. read Tenn.
" 993, read cylindricaule.
" 1002, first var. read spiculiferum.
" 1055, for (Sch.) read B. & S.
" 1098, for (Dicks.) read (Hedw.)
" 1098, to var. add syn. (P. nitidulum Wahl.)
" 1101, for (Dill.) read (L.)
" 1101, to last var, add syn. (P. lætum Sch.)

)
d Wht. Mts.
.
Brid., Col.

C. M., La.

Sch., Mex.
. & S., N. E., Br.
ergeri Sch., Mex.

ld Wht. Mts.

helymeæ.

.)

ium Besch., Mex.

rum.

w.)
idulum Wahl.)

. lætum Sch.)